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Db      241 LTVSLAVSESHQIRVSGODFRLFTFLVMSFFIMSPITITLILIONFKODLVIWP 300
;
; FILE REFERENCE: MNI-220
; CURRENT APPLICATION NUMBER: US/10/086,181
; PRIOR FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-086-181-2

RESULT 2
US-10-015-498-2
; Sequence 2, Application US/10015498
; Publication No. US20020151705A1
; GENERAL INFORMATION:
; APPLICANT: Smith, Kelli E.
; APPLICANT: Quan, Yong
; TITLE OF INVENTION: DNA Encoding Orphan SNORF49 Receptor
; FILE REFERENCE: 60134
; CURRENT APPLICATION NUMBER: US/10/015,498
; CURRENT FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: US/09/412,933
; PRIOR FILING DATE: 1999-10-05
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-015-498-2

Query Match      100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8,2e-162;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRVLVAVETTVLIFAVSLGNVC 60
Db      1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRVLVAVETTVLIFAVSLGNVC 60
QY      61 ALVLVARRRRRGATACLVNLFCAIDLFTSAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
Db      61 ALVLVARRRRRGATACLVNLFCAIDLFTSAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
QY      121 SGSVTTLTTLAAVSLERWCVIHLQRGVGRGRARAVLLALIMGSAVAALPLCVFPRV 180
Db      121 SGSVTTLTTLAAVSLERWCVIHLQRGVGRGRARAVLLALIMGSAVAALPLCVFPRV 180
QY      181 PORLPGADQESICTLIMPTIPGEISMDVSFVTINFLVPGLVIVISYSKILQITKASRR 240
Db      181 PORLPGADQESICTLIMPTIPGEISMDVSFVTINFLVPGLVIVISYSKILQITKASRR 240
QY      241 LTVSLAVSESHQIRVSGODFRLFTFLVMSFFIMSPITITLILIONFKODLVIWP 300
Db      241 LTVSLAVSESHQIRVSGODFRLFTFLVMSFFIMSPITITLILIONFKODLVIWP 300
QY      301 SLFFWVAFTFANSALNPILYNTMLCRNEMKKIFCCWPEKGAILTDTSVKNDLSIIS 360
Db      301 SLFFWVAFTFANSALNPILYNTMLCRNEMKKIFCCWPEKGAILTDTSVKNDLSIIS 360
QY      361 G 361
Db      361 G 361

RESULT 3
US-10-086-181-2
; Sequence 2, Application US/10086181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: Gimeno, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
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; TITLE OF INVENTION: DISORDERS, INCLUDING OBESITY AND DIABETES
; FILE REFERENCE: MNI-220
; CURRENT APPLICATION NUMBER: US/10/086,181
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-086-181-2

Query Match      100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8,2e-162;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRVLVAVETTVLIFAVSLGNVC 60
Db      1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRVLVAVETTVLIFAVSLGNVC 60
QY      61 ALVLVARRRRRGATACLVNLFCAIDLFTSAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
Db      61 ALVLVARRRRRGATACLVNLFCAIDLFTSAIPVLAVRWTEAMLGPVACHLLFYVMTL 120
QY      121 SGSVTTLTTLAAVSLERWCVIHLQRGVGRGRARAVLLALIMGSAVAALPLCVFPRV 180
Db      121 SGSVTTLTTLAAVSLERWCVIHLQRGVGRGRARAVLLALIMGSAVAALPLCVFPRV 180
QY      181 PORLPGADQESICTLIMPTIPGEISMDVSFVTINFLVPGLVIVISYSKILQITKASRR 240
Db      181 PORLPGADQESICTLIMPTIPGEISMDVSFVTINFLVPGLVIVISYSKILQITKASRR 240
QY      241 LTVSLAVSESHQIRVSGODFRLFTFLVMSFFIMSPITITLILIONFKODLVIWP 300
Db      241 LTVSLAVSESHQIRVSGODFRLFTFLVMSFFIMSPITITLILIONFKODLVIWP 300
QY      301 SLFFWVAFTFANSALNPILYNTMLCRNEMKKIFCCWPEKGAILTDTSVKNDLSIIS 360
Db      301 SLFFWVAFTFANSALNPILYNTMLCRNEMKKIFCCWPEKGAILTDTSVKNDLSIIS 360
QY      361 G 361
Db      361 G 361

RESULT 4
US-10-077-698-1
; Sequence 1, Application US/10077698
; Publication No. US20030008350A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030008350A1 G-Protein Coupled Recept.
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/077,698
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/261,599
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-077-698-1

Query Match      100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8,2e-162;
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Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLA VETTVVLIFAVSLGNVC 60
Db 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLA VETTVVLIFAVSLGNVC 60

Qy 61 ALVIVARRRRRGATACVNLFCADLLFISAIPLVLA VRTWTEAMLGPVACHLLFYVMTL 120
Db 61 ALVIVARRRRRGATACVNLFCADLLFISAIPLVLA VRTWTEAMLGPVACHLLFYVMTL 120

Qy 121 SGSVTIITLAAVSLERNVCIVHLQGVGPGRRARA VLLALIMGYSAVAALPLCVFPRV 180
Db 121 SGSVTIITLAAVSLERNVCIVHLQGVGPGRRARA VLLALIMGYSAVAALPLCVFPRV 180

Qy 181 PORLPGADOEISICTLIMPTIPGEISWDVSVTLNPL VPGVIVISYSKILQITKASRK 240
Db 181 PORLPGADOEISICTLIMPTIPGEISWDVSVTLNPL VPGVIVISYSKILQITKASRK 240

Qy 241 LTVSLAYSESHQIRVSQODFRLFRTLFLMVSPFI MNSPIITITLLILIONFKODLVIMP 300
Db 241 LTVSLAYSESHQIRVSQODFRLFRTLFLMVSPFI MNSPIITITLLILIONFKODLVIMP 300

Qy 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEWKI FCCEFWPEKGAILTDTSVKRDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEWKI FCCEFWPEKGAILTDTSVKRDLSIIS 360

Qy 361 G 361
Db 361 G 361

RESULT 5
US-10-171-027-1
; Sequence 1, Application US/10171027
; Publication No. US20030073168A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030073168A1 G-Protein Coupled Recept
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/10/171.027
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US/09/456,455
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-171-027-1

Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162; Indels 0; Gaps 0;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 241 LTVSLAYSESHQIRVSQODFRLFRTLFLMVSPFI MNSPIITITLLILIONFKODLVIMP 300
Db 241 LTVSLAYSESHQIRVSQODFRLFRTLFLMVSPFI MNSPIITITLLILIONFKODLVIMP 300

Qy 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEWKI FCCEFWPEKGAILTDTSVKRDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEWKI FCCEFWPEKGAILTDTSVKRDLSIIS 360

Qy 361 G 361
Db 361 G 361

RESULT 6
US-10-075-987-1
; Sequence 1, Application US/10075987
; Publication No. US20030166061A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1 G-Protein Coupled Recept
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/075,987
; PRIOR FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: US/09/261,599B
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-075-987-1

Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162; Indels 0; Gaps 0;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLA VETTVVLIFAVSLGNVC 60
Db 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLA VETTVVLIFAVSLGNVC 60

Qy 61 ALVIVARRRRRGATACVNLFCADLLFISAIPLVLA VRTWTEAMLGPVACHLLFYVMTL 120
Db 61 ALVIVARRRRRGATACVNLFCADLLFISAIPLVLA VRTWTEAMLGPVACHLLFYVMTL 120

Qy 121 SGSVTIITLAAVSLERNVCIVHLQGVGPGRRARA VLLALIMGYSAVAALPLCVFPRV 180
Db 121 SGSVTIITLAAVSLERNVCIVHLQGVGPGRRARA VLLALIMGYSAVAALPLCVFPRV 180

Qy 181 PORLPGADOEISICTLIMPTIPGEISWDVSVTLNPL VPGVIVISYSKILQITKASRK 240
Db 181 PORLPGADOEISICTLIMPTIPGEISWDVSVTLNPL VPGVIVISYSKILQITKASRK 240

Qy 241 LTVSLAYSESHQIRVSQODFRLFRTLFLMVSPFI MNSPIITITLLILIONFKODLVIMP 300
Db 241 LTVSLAYSESHQIRVSQODFRLFRTLFLMVSPFI MNSPIITITLLILIONFKODLVIMP 300

Qy 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEWKI FCCEFWPEKGAILTDTSVKRDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPILYNNMTLCRNEWKI FCCEFWPEKGAILTDTSVKRDLSIIS 360

Qy 361 G 361
Db 361 G 361

RESULT 7
US-10-149-826-20
; Sequence 20, Application US/10149826
; Publication No. US20040224314A1

```
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: BURFORD, Neil.
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: AU-YOUNG, Janice
; APPLICANT: YANG, Junming
; APPLICANT: LU, Dying Aina M.
; APPLICANT: REDDY, Roopa
; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: PI-0001 PCT
; CURRENT APPLICATION NUMBER: US/10/149,826
; PRIOR FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/172,852; 60/171,732; 60/176,148; 60/177,331
; PRIOR FILING DATE: 1999-12-10; 1999-12-22; 2000-01-14; 2000-01-21
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 20
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 5029478CD1
US-10-149-826-20

Query Match          100.0%; Score 1846; DB 5; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRHLVLAAVETTVLVLIFAVSLGNVC 60
DB 1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRHLVLAAVETTVLVLIFAVSLGNVC 60
QY 61 ALVAVARRRRRGATACVLNLFQADLLFISAIPLVLAVRTTEAMLGPVACHLLFYVMTL 120
DB 61 ALVAVARRRRRGATACVLNLFQADLLFISAIPLVLAVRTTEAMLGPVACHLLFYVMTL 120
QY 121 SGSVTTLTLAAVSLERWCVIHLQGVGGRBARAVLLALIWGSAVAALPLCVFPRVY 180
DB 121 SGSVTTLTLAAVSLERWCVIHLQGVGGRBARAVLLALIWGSAVAALPLCVFPRVY 180
QY 181 PQRPGADQEIISCTLIWPTIPGEISMDVSFVTLNFLVPGVIVISYSKILQITKASRR 240
DB 181 PQRPGADQEIISCTLIWPTIPGEISMDVSFVTLNFLVPGVIVISYSKILQITKASRR 240
QY 241 LTVSLAYSESHQIRVSQODFRLFTLPLMVSFFIMWSPITITLLILIONFKODLVIMP 300
DB 241 LTVSLAYSESHQIRVSQODFRLFTLPLMVSFFIMWSPITITLLILIONFKODLVIMP 300
QY 301 SLFPWVAFTFANSALNPILYNMTLCRNEMKKIFCCFMPPEKGAIIIDTSVKRNDLSIIS 360
DB 301 SLFPWVAFTFANSALNPILYNMTLCRNEMKKIFCCFMPPEKGAIIIDTSVKRNDLSIIS 360
QY 361 G 361
DB 361 G 361

RESULT 8
US-10-505-486-32
; Sequence 32, Application US/10505486
; Publication No. US20050118639A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Determination of a ligand
; FILE REFERENCE: P03-0006PCT
; CURRENT APPLICATION NUMBER: US/10/505,486
; PRIOR FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: JP 2002-45728
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: JP 2002-213949
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: JP 2002-298237
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; PRIOR FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 233
; SEQ ID NO 32
; LENGTH: 599
; TYPE: PRT
; ORGANISM: Human
US-10-505-486-32

Query Match          100.0%; Score 1846; DB 5; Length 599;
Best Local Similarity 100.0%; Pred. No. 1.5e-161;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRHLVLAAVETTVLVLIFAVSLGNVC 60
DB 1 MSPECARAGDAPLRSLQANRTRPFPSDVKGDRHLVLAAVETTVLVLIFAVSLGNVC 60
QY 61 ALVAVARRRRRGATACVLNLFQADLLFISAIPLVLAVRTTEAMLGPVACHLLFYVMTL 120
DB 61 ALVAVARRRRRGATACVLNLFQADLLFISAIPLVLAVRTTEAMLGPVACHLLFYVMTL 120
QY 121 SGSVTTLTLAAVSLERWCVIHLQGVGGRBARAVLLALIWGSAVAALPLCVFPRVY 180
DB 121 SGSVTTLTLAAVSLERWCVIHLQGVGGRBARAVLLALIWGSAVAALPLCVFPRVY 180
QY 181 PQRPGADQEIISCTLIWPTIPGEISMDVSFVTLNFLVPGVIVISYSKILQITKASRR 240
DB 181 PQRPGADQEIISCTLIWPTIPGEISMDVSFVTLNFLVPGVIVISYSKILQITKASRR 240
QY 241 LTVSLAYSESHQIRVSQODFRLFTLPLMVSFFIMWSPITITLLILIONFKODLVIMP 300
DB 241 LTVSLAYSESHQIRVSQODFRLFTLPLMVSFFIMWSPITITLLILIONFKODLVIMP 300
QY 301 SLFPWVAFTFANSALNPILYNMTLCRNEMKKIFCCFMPPEKGAIIIDTSVKRNDLSIIS 360
DB 301 SLFPWVAFTFANSALNPILYNMTLCRNEMKKIFCCFMPPEKGAIIIDTSVKRNDLSIIS 360
QY 361 G 361
DB 361 G 361

RESULT 9
US-09-995-225-8
; Sequence 8, Application US/0995225
; Publication No. US20020193584A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Chu, Zhi Liang
; APPLICANT: Dang, Huang T.
; APPLICANT: Lowitz, Kevin P.
; TITLE OF INVENTION: Endogenous And No. US20020193584A1-Endogenous Versions of Human
; FILE REFERENCE: AREN-0308
; CURRENT APPLICATION NUMBER: US/09/995,225
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: PCT/US99/23938
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/253,404
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/255,366
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/270,286
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,365
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/270,266
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,032
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,358
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;; PRIOR FILING DATE: 2001-04-06
;; PRIOR APPLICATION NUMBER: 60/282,356
;; PRIOR FILING DATE: 2001-04-06
;; PRIOR APPLICATION NUMBER: 60/290,917
;; PRIOR FILING DATE: 2001-05-14
;; PRIOR APPLICATION NUMBER: 60/309,208
;; PRIOR FILING DATE: 2001-07-31
;; NUMBER OF SEQ ID NOS: 67
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO: 8
;; LENGTH: 361
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: No. US20020139584A1el Sequence
US-09-995-225-8

Query Match 99.6%; Score 1838; DB 3; Length 361;
Best Local Similarity 99.7%; Pred. No. 4.5e-161;
Matches 360; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLSEQANRTTRPPFSDVKGDRHLVLAAVETTVLVIFAVSLGAVC 60
DB 1 MSTECARAGDAPLRSLSEQANRTTRPPFSDVKGDRHLVLAAVETTVLVIFAVSLGAVC 60
QY 61 ALVVARRRRGATACVNLFCADLFIISAIPLVLAVRWTEAWLGGVACHLLFYVWTL 120
DB 61 ALVVARRRRGATACVNLFCADLFIISAIPLVLAVRWTEAWLGGVACHLLFYVWTL 120
QY 121 SGSVTITLLAAVSLERWVCIVHLQGVGPGRRARAVALIIGYSAAVALPLCVFFRVV 180
DB 121 SGSVTITLLAAVSLERWVCIVHLQGVGPGRRARAVALIIGYSAAVALPLCVFFRVV 180
QY 181 PORLPGADQESICTLIMPTTIGESISMDVSFVTLNPLVPGVIVISYSKIIQITKASRR 240
DB 181 PORLPGADQESICTLIMPTTIGESISMDVSFVTLNPLVPGVIVISYSKIIQITKASRR 240
QY 241 LTVSLAYSESHQIRVSQODFRLPRTLFLMVSFFIMSPITITILLIQNFKODLVIMP 300
DB 241 LTVSLAYSESHQIRVSQODFRLPRTLFLMVSFFIMSPITITILLIQNFKODLVIMP 300
QY 301 SLFFWVVAFTFANSALNPILYNMTLCRNEWKKIFCCFWPEKGAILTDTSVKRDLSIIS 360
DB 301 SLFFWVVAFTFANSALNPILYNMTLCRNEWKKIFCCFWPEKGAILTDTSVKRDLSIIS 360
QY 361 G 361
DB 361 G 361

RESULT 10
US-09-995-225-8
;; Sequence 8, Application US/09995225
;; Publication No. US20030139588A9
;; GENERAL INFORMATION:
;; APPLICANT: Chen, Ruoping
;; APPLICANT: Chu, Zhi Liang
;; APPLICANT: Dang, Huang T.
;; APPLICANT: Lowitz, Kevin P.
;; TITLE OF INVENTION: Endogenous And No. US20030139588A9-Endogenous Versions of Human G
;; TITLE OF INVENTION: Receptors
;; FILE REFERENCE: AREN-0308
;; CURRENT APPLICATION NUMBER: US/09/995, 225
;; PRIOR FILING DATE: 2001-11-26
;; PRIOR APPLICATION NUMBER: 09/170,496
;; PRIOR FILING DATE: 1998-10-13
;; PRIOR APPLICATION NUMBER: PCT/US99/23938
;; PRIOR FILING DATE: 1998-10-13
;; PRIOR APPLICATION NUMBER: 60/253,404
;; PRIOR FILING DATE: 2000-11-27
;; PRIOR APPLICATION NUMBER: 60/255,366
;; PRIOR FILING DATE: 2000-12-12

;; PRIOR APPLICATION NUMBER: 60/270,286
;; PRIOR FILING DATE: 2001-02-20
;; PRIOR APPLICATION NUMBER: 60/282,365
;; PRIOR FILING DATE: 2001-04-06
;; PRIOR APPLICATION NUMBER: 60/270,266
;; PRIOR FILING DATE: 2001-02-20
;; PRIOR APPLICATION NUMBER: 60/282,032
;; PRIOR FILING DATE: 2001-04-06
;; PRIOR APPLICATION NUMBER: 60/282,358
;; PRIOR FILING DATE: 2001-04-06
;; PRIOR APPLICATION NUMBER: 60/282,356
;; PRIOR FILING DATE: 2001-04-06
;; PRIOR APPLICATION NUMBER: 60/290,917
;; PRIOR FILING DATE: 2001-05-14
;; PRIOR APPLICATION NUMBER: 60/309,208
;; PRIOR FILING DATE: 2001-07-31
;; NUMBER OF SEQ ID NOS: 67
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO: 8
;; LENGTH: 361
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: No. US20030139588A9el Sequence
US-09-995-225-8

Query Match 99.6%; Score 1838; DB 3; Length 361;
Best Local Similarity 99.7%; Pred. No. 4.5e-161;
Matches 360; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLSEQANRTTRPPFSDVKGDRHLVLAAVETTVLVIFAVSLGAVC 60
DB 1 MSTECARAGDAPLRSLSEQANRTTRPPFSDVKGDRHLVLAAVETTVLVIFAVSLGAVC 60
QY 61 ALVVARRRRGATACVNLFCADLFIISAIPLVLAVRWTEAWLGGVACHLLFYVWTL 120
DB 61 ALVVARRRRGATACVNLFCADLFIISAIPLVLAVRWTEAWLGGVACHLLFYVWTL 120
QY 121 SGSVTITLLAAVSLERWVCIVHLQGVGPGRRARAVALIIGYSAAVALPLCVFFRVV 180
DB 121 SGSVTITLLAAVSLERWVCIVHLQGVGPGRRARAVALIIGYSAAVALPLCVFFRVV 180
QY 181 PORLPGADQESICTLIMPTTIGESISMDVSFVTLNPLVPGVIVISYSKIIQITKASRR 240
DB 181 PORLPGADQESICTLIMPTTIGESISMDVSFVTLNPLVPGVIVISYSKIIQITKASRR 240
QY 241 LTVSLAYSESHQIRVSQODFRLPRTLFLMVSFFIMSPITITILLIQNFKODLVIMP 300
DB 241 LTVSLAYSESHQIRVSQODFRLPRTLFLMVSFFIMSPITITILLIQNFKODLVIMP 300
QY 301 SLFFWVVAFTFANSALNPILYNMTLCRNEWKKIFCCFWPEKGAILTDTSVKRDLSIIS 360
DB 301 SLFFWVVAFTFANSALNPILYNMTLCRNEWKKIFCCFWPEKGAILTDTSVKRDLSIIS 360
QY 361 G 361
DB 361 G 361

RESULT 11
US-10-262-313-2
;; Sequence 2, Application US/10262313
;; Publication No. US20030129653A1
;; GENERAL INFORMATION:
;; APPLICANT: Bristol-Myers Squibb Company
;; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPAMY18, EXPRESSED HIG
;; TITLE OF INVENTION: PITUITARY GLAND AND COLON CARCINOMA CELLS
;; FILE REFERENCE: D0048 CIP
;; CURRENT APPLICATION NUMBER: US/10/262,313
;; PRIOR FILING DATE: 2002-09-30
;; PRIOR APPLICATION NUMBER: U.S. 09/992,331
;; PRIOR FILING DATE: 2001-11-14
;; NUMBER OF SEQ ID NOS: 50

Db 241 LTVSLAVSRSHQIRVSQODFRLFTLFLMVSFFIMSPSIDTILLILIQNFKODLVIMP 300
Qy 301 SLFFWVVAFTFANSALNPLINMTLCRNEMKKIFCCFFPEKGAILTDTSVKRDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPLINMTLCRNEMKKIFCCFFPEKGAILTDTSVKRDLSIIS 360
Qy 361 G 361
Db 361 G 361

RESULT 14

US-10-086-181-5
; Sequence 5, Application US/10086181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; DISORDERS, INCLUDING OBESITY AND DIABETES
; FILE REFERENCE: MNI-220
; CURRENT APPLICATION NUMBER: US/10/086,181
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
US-10-086-181-5

Query Match 86.2%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 2.8e-138;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

Qy 1 MSPCARAAGDAPLRSLSEQANRTREPPFSDVKGDRHLVLAIVETTVLILFAVSLGAVNC 60
Db 1 MSPCAQTGTGPGSHHTLDQVNRTHPPFSDVKGDRHLVLSVETTVLGLIFVSLGAVNC 60
Qy 61 ALVIVARRRRRGATACLVNLFCADLFTSAIPLVLAVRWTEAMLGFWCHLLFYVWTL 120
Db 61 ALVIVARRRRRGASASLVNLFCADLFTSAIPLVLAVRWTEAMLGFWCHLLFYVWTL 120
Qy 121 SGSVTILLTAAVSLERWVCIVHLQGVKPGRRARAVLALIWGSAVAALPLCVFPRV 180
Db 121 SGSVTILLTAAVSLERWVCIVRLRGLSGPGRRTQALALFIWGSALALPLYLFRV 180
Qy 181 PORLPGADOESICTLIWPTIPGEISMDVSFVTINFLVPGVIVISYSKIIQITKASRK 240
Db 181 PORLPGADOELPCTLDMPNRIIGISMDVFEETINFLVPGVIVISYSKIIQITKASRK 240
Qy 241 LTVSLAVSESHQIRVSQODFRLFTLFLMVSFFIMSPIDTILLILIQNFKODLVIMP 300
Db 241 LTVSLAVSESHQIRVSQODFRLFTLFLMVSFFIMSPIDTILLILIQNFKODLVIMP 300
Qy 301 SLFFWVVAFTFANSALNPLINMTLCRNEMKKIFCCFFPEKGAILTDTSVKRDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPLINMTLCRNEMKKIFCCFFPEKGAIFTDTSVKRDLSIIS 360

RESULT 15

US-10-077-698-4
; Sequence 4, Application US/10077698
; Publication No. US20030008350A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030008350A1 G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/077,698
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/261,599

; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
US-10-077-698-4

Query Match 86.2%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 2.8e-138;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

Qy 1 MSPCARAAGDAPLRSLSEQANRTREPPFSDVKGDRHLVLAIVETTVLILFAVSLGAVNC 60
Db 1 MSPCAQTGTGPGSHHTLDQVNRTHPPFSDVKGDRHLVLSVETTVLGLIFVSLGAVNC 60
Qy 61 ALVIVARRRRRGATACLVNLFCADLFTSAIPLVLAVRWTEAMLGFWCHLLFYVWTL 120
Db 61 ALVIVARRRRRGASASLVNLFCADLFTSAIPLVLAVRWTEAMLGFWCHLLFYVWTL 120
Qy 121 SGSVTILLTAAVSLERWVCIVHLQGVKPGRRARAVLALIWGSAVAALPLCVFPRV 180
Db 121 SGSVTILLTAAVSLERWVCIVRLRGLSGPGRRTQALALFIWGSALALPLYLFRV 180
Qy 181 PORLPGADOESICTLIWPTIPGEISMDVSFVTINFLVPGVIVISYSKIIQITKASRK 240
Db 181 PORLPGADOELPCTLDMPNRIIGISMDVFEETINFLVPGVIVISYSKIIQITKASRK 240
Qy 241 LTVSLAVSESHQIRVSQODFRLFTLFLMVSFFIMSPIDTILLILIQNFKODLVIMP 300
Db 241 LTVSLAVSESHQIRVSQODFRLFTLFLMVSFFIMSPIDTILLILIQNFKODLVIMP 300
Qy 301 SLFFWVVAFTFANSALNPLINMTLCRNEMKKIFCCFFPEKGAILTDTSVKRDLSIIS 360
Db 301 SLFFWVVAFTFANSALNPLINMTLCRNEMKKIFCCFFPEKGAIFTDTSVKRDLSIIS 360

Search completed: December 5, 2005, 09:44:26
Job time : 165 secs

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OM protein - protein search, using sw model

Run on: December 5, 2005, 09:31:28 ; Search time 11 Seconds
(without alignments)
157.144 Million cell updates/sec

Title: US-10-077-698-1

Perfect score: 1846

Sequence: 1 MSPECARAGADAPLRSLQA.....KGALITDSVKRNDLSITSG 361

Scoring table:

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Gapop 10.0 , Gapext 0.5

Searched: 26661 seqs, 4788334 residues

Total number of hits satisfying chosen parameters: 26661

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA New:*
1: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
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8: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	628	34.0	356	6	US-10-980-388-70
2	468	25.4	140	6	US-10-980-388-93
3	259.5	14.1	355	7	US-11-068-686-4
4	230.5	12.5	419	7	US-11-067-884-8
5	225	12.2	417	6	US-10-992-577-44
6	220.5	11.9	432	6	US-10-992-577-2
7	217.5	11.8	350	6	US-10-503-145-1
8	217.5	11.8	415	6	US-10-627-633-2
9	212.5	11.5	430	6	US-10-992-577-8
10	209	11.3	352	7	US-11-068-686-20
11	208.5	11.3	420	6	US-10-992-577-6
12	208.5	11.3	522	6	US-10-510-018-2
13	206.5	11.2	409	6	US-10-627-633-4
14	201	10.9	352	7	US-11-068-686-2
15	200.5	10.9	352	6	US-10-627-633-6
16	189	10.2	342	6	US-10-980-388-118
17	188.5	10.2	340	6	US-10-980-388-117
18	184	10.0	358	6	US-10-980-388-96
19	184	10.0	389	6	US-10-980-388-116
20	170.5	9.2	440	6	US-10-502-893-2
21	164	8.9	353	7	US-11-067-884-6
22	162	8.8	508	6	US-10-980-388-112
23	159.5	8.6	364	7	US-11-067-884-2
24	157	8.5	485	6	US-10-821-234-934
25	156.5	8.5	360	6	US-10-851-667A-26

26	149.5	8.1	337	6	US-10-980-388-115	Sequence 115, App
27	134	7.3	351	7	US-11-067-884-4	Sequence 4, Appli
28	120	6.5	204	6	US-10-980-388-68	Sequence 68, Appl
29	114	6.2	336	6	US-10-980-388-120	Sequence 120, App
30	109	5.9	323	6	US-10-980-388-119	Sequence 119, App
31	105.5	5.7	211	6	US-10-980-388-97	Sequence 97, Appl
32	101	5.5	177	6	US-10-980-388-94	Sequence 94, Appl
33	99.5	5.4	313	7	US-11-095-093-2	Sequence 2, Appli
34	92.5	5.0	801	6	US-10-793-626-2020	Sequence 2020, Ap
35	89.5	4.8	181	6	US-10-980-388-100	Sequence 100, App
36	88.5	4.8	311	6	US-10-980-388-110	Sequence 110, App
37	88.5	4.8	311	6	US-10-980-388-113	Sequence 113, App
38	88.5	4.8	530	6	US-10-980-388-62	Sequence 62, Appl
39	87.5	4.7	928	6	US-10-841-129-4	Sequence 4, Appli
40	86	4.7	264	7	US-11-082-369-282	Sequence 282, App
41	86	4.7	445	7	US-11-102-240-32	Sequence 32, Appl
42	85	4.6	386	7	US-11-055-822-586	Sequence 586, App
43	84	4.6	333	6	US-10-980-388-114	Sequence 114, App
44	84	4.6	339	6	US-10-821-234-1085	Sequence 1085, Ap
45	83	4.5	585	7	US-11-012-762-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-10-980-388-70, Application US/10980388
; Publication No. US20050255490A1
; GENERAL INFORMATION:
; APPLICANT: Vogeli, Gabriel
; APPLICANT: Parodi, Luis A.
; APPLICANT: Hiebsch, Ronald R.
; APPLICANT: Lind, Peter
; APPLICANT: Kaytee, Paul S.
; APPLICANT: Huff, Valerie
; APPLICANT: Huff, Rita M.
; APPLICANT: Wood, Linda S.
; TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related App
; FILE REFERENCE: 00325.US1
; CURRENT APPLICATION NUMBER: US/10/980.388
; PRIOR FILING DATE: 2004-11-02
; PRIOR APPLICATION NUMBER: US/09/791.932
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/184,305
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,304
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,303
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,397
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,247
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/188,880
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/217,369
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/217,370
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/218,492
; PRIOR FILING DATE: 2000-07-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 70
; LENGTH: 356
; TYPE: PRT
; ORGANISM: Homo sapiens
Query Match 34.0%; Score 628; DB 6; Length 356;
Best Local Similarity 78.8%; Pred. No. 3e+6;

RESULT 4

US-11-067-884-8

; Sequence 8, Application US/11067884

; Publication No. US20050261252A1

; GENERAL INFORMATION:

; APPLICANT: Miller, Duane D.

; APPLICANT: Dalton, James T.

; APPLICANT: Saitar, Vireet M.

; APPLICANT: Elrod, Don B.

; APPLICANT: Xu, Huiping

; APPLICANT: Baker, Daniel L.

; APPLICANT: Wang, Dean

; APPLICANT: Liliom, Karoly

; APPLICANT: Fischer, David J.

; APPLICANT: Vireet, M.

; APPLICANT: Nussler, Nora

; TITLE OF INVENTION: LPA RECEPTOR AGONISTS AND ANTAGONISTS AND METHODS OF

; FILE REFERENCE: 20609/305

; CURRENT APPLICATION NUMBER: US/11/067,884

; CURRENT FILING DATE: 2005-02-28

; PRIOR APPLICATION NUMBER: 60/190,370

; PRIOR FILING DATE: 2000-03-17

; PRIOR APPLICATION NUMBER: 09/811,838

; PRIOR FILING DATE: 2001-03-19

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 8

; LENGTH: 419

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-067-884-8

Query Match 12.5%; Score 230.5; DB 7; Length 419;

Best Local Similarity 25.8%; Pred. No. 7e-13;

Matches 80; Conservative 55; Mismatches 134; Indels 41; Gaps 12;

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QY 37 LVLAAVETTVLVLFAVSLGLN-VCAVLVAVARRRRGATACLVNLFCAD-LLFISALPL 94
DB 78 LPLQITTSALIMIFLIFVFLGLNLVCLMWYQKAMRSAINILASLAFADMLAVLAMPF 137
QY 95 VLAARWTEAWMLGPACH---LLFYVMTLSGVTTLTLAAVSLKEMVCIYVLRQVRPBG 151
DB 138 ALVTLLTTRWLFQKFCRVSAMFVLPVIEG---VAILLIISIDRFLITV---QRQDKLNP 192
QY 152 RRARAVLLALIMGYSAAVALPLCVF--FRVVPQRLPGADQETISCTLIIMPTIPGEISMDV 209
DB 193 YRAK-VLAIVGSAWTSFCVAFPLAVGNPDLOIPSRAPQ-----CVFGTTNPGIQAYVI 244
QY 210 SFTVTLNPLVPGLVIVISYKILQITKSRKRL-----TVSLAYSESHQIRVSQODF---- 260
DB 245 LISLISFPIPLVILYSFMGLINTLRHNAIRHSYPEGICLSQASKGLMSLQRFQSKI 304
QY 261 -----RLFRFLFLMWVFIFIMSPIITITILLILQNKQDLVIMPSLF---FVVVATF 311
DB 305 DMGKTRAFITLILFAVIVCWABF---TYSIVATSKFYQHNFESTWMLMLCY 361
QY 312 ANSALNPILY 321
DB 362 LKSAINPILY 371
```

RESULT 5

US-10-992-577-44

; Sequence 44, Application US/10992577

; Publication No. US20050260687A1

; GENERAL INFORMATION:

; APPLICANT: Gerald, Christophe P. G.

; APPLICANT: Jones, Kenneth A.

; APPLICANT: Bonini, James A.

```
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Craig, Douglas A.
; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
; FILE REFERENCE: 57155-D/JPW
; CURRENT APPLICATION NUMBER: US/10/992,577
; CURRENT FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US/09/538,036
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/405,558
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 09/255,368
; PRIOR FILING DATE: 1999-02-22
; PRIOR APPLICATION NUMBER: 09/161,113
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 417
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-992-577-44

Query Match 12.2%; Score 225; DB 6; Length 417;
Best Local Similarity 23.3%; Pred. No. 2e-12;
Matches 79; Conservative 68; Mismatches 128; Indels 64; Gaps 15;

QY 21 NRTNPPFSDVKGD-----HRLVLAAVETTVLVLFAVSLGLN-VCAVLVAVARRRRRGA 73
DB 20 NDTQHPWYSIDINITYNNYLLHQPHVTAVFISYFLIFLCVGNVTVCFFVIRNRMYMTV 79
QY 74 TACLVNLFCADLPL-ISAIPVLAVRWTEAWMLGPACHLLFFVMTLSGVTTLTLAAV 132
DB 80 TNFFIFNLASDLDLVGICFMPITLLDNIAGMPGSSCKISGLVQGISVAASVFTLVAI 139
QY 133 SLERNVCIVHLQRGVGRGR-----RAAVLALIMGYSAAVALPLCVFRRVPO----- 182
DB 140 AVDRFRCVY-----PFRKLTWKTAFAVIVIIWGLAITIMPSALMLHVOEKYRV 192
QY 183 RLPQADQETIS-CTLIIMPTIP-GEISMDVSFTLNPLVPGLVIVISYKILQITKSRK 239
DB 193 RLSSHNKSTVYWCREDPBNQEMRIYTVVLFATV-YLAPLSLIVIMYA----- 240
QY 240 RLTVSLAYSESH-----QIRVSQODFRFLFRFLFLMWVFIFIMSPIITITILLILQNK 291
DB 241 RIGASLEKTSASHGKORLEQWHSKKQKVKMLLVALLFISMLPL---WTLMLMSD 297
QY 292 FKQ-----DLVIMPSLFFVVAFTFANSALNPILY 321
DB 298 YADLSPNKLARVINIYVP-FAHWL---AFCNSSVNPPIY 332
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RESULT 6

US-10-992-577-2

; Sequence 2, Application US/10992577

; Publication No. US20050260687A1

; GENERAL INFORMATION:

; APPLICANT: Gerald, Christophe P. G.

; APPLICANT: Jones, Kenneth A.

; APPLICANT: Borowsky, Beth E.

; APPLICANT: Craig, Douglas A.

; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors

; FILE REFERENCE: 57155-D/JPW

; CURRENT APPLICATION NUMBER: US/10/992,577

; CURRENT FILING DATE: 2004-11-18

; PRIOR APPLICATION NUMBER: US/09/538,036

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: 09/405,558

; PRIOR FILING DATE: 1999-09-24

; PRIOR APPLICATION NUMBER: 09/255,368

; PRIOR FILING DATE: 1999-02-22

;; PRIOR APPLICATION NUMBER: 09/161,113
;; PRIOR FILING DATE: 1998-09-25
;; NUMBER OF SEQ ID NOS: 71
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO: 2
;; LENGTH: 432
;; TYPE: PRT
;; ORGANISM: Rattus norvegicus
US-10-992-577-2

Query Match 11.8%; Score 220.5; DB 6; Length 432;
Best Local Similarity 25.7%; Pred. No. 5e-12;
Matches 88; Conservative 51; Mismatches 152; Indels 51; Gaps 13;

QY 10 GDAPL-----RSLGANKRPPFSDVKDHRVLAAVETTVLVIFAVALSLGN--VCALV 63
DB 11 GSNPLGONGSDVETSMATSLTFSSYYO--HSSPVAAMFIAAYVIFLCWAGNLTVCFTIV 68
QY 64 LVARRRRRGATACLVNLFCADLLF--ISALPLVAVRWTEAMLGPVACHLLFYVMTLSG 122
DB 69 L-KRHHRTVTNMTLNLAVSDLVGIFCMPTTLVDNLITGMPEDNATCKMSGLVQGMV 127
QY 123 SVTTLTAAVSLERMVCIHLQRCVGRGR---RAVALALINGSAVALPLCVFF 177
DB 128 SASVFTLVAVRFRFCIVH-----PFRKTLRLKALFTIAVIMALLIMCPSAVTL 180
QY 178 RVPVQR---LPGADQELSI--CTLIMPTIRGEISMDVSPVTLNLFVPGVIVISKIL 231
DB 181 TVTREHHFMDANRSTPYLSCMEAMPEKMKRYVAVLFAHIVPLALIVMYVRIA 240
QY 232 -QITKARKLTVSLAVSESHQIRVSQDFRLFTLLFVMSFPIIMSPITITLLT--- 287
DB 241 RKLQAGPARDTEEAABEG--RTSRRAAVVMVLMVALLFLLSWLPLMVLLLLIDYG 298
QY 288 -----LIONFKODLVIMPSEFFWVAFTFANSALNPITY 321
DB 299 ELSLQLHLISVAFPLAHW-----LAFHSSANPITY 331

RESULT 7
US-10-502-145-1
;; Sequence 1, Application US/10502145
;; Publication No. US20050244406A1
;; GENERAL INFORMATION:
;; APPLICANT: MACKAY, CHARLES REAY
;; TITLE OF INVENTION: Anti-C5ar antibodies and uses thereof
;; FILE REFERENCE: RICE-032
;; CURRENT APPLICATION NUMBER: US/10/502,145
;; CURRENT FILING DATE: 2004-07-19
;; PRIOR APPLICATION NUMBER: USSN 60/350,961
;; PRIOR FILING DATE: 2002-01-25
;; NUMBER OF SEQ ID NOS: 34
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO: 1
;; LENGTH: 350
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-502-145-1

Query Match 11.8%; Score 217.5; DB 6; Length 350;
Best Local Similarity 23.6%; Pred. No. 7.2e-12;
Matches 83; Conservative 59; Mismatches 123; Indels 87; Gaps 12;

QY 38 VLAAVETTVLVIFAVALSLGNVCAVLVARRRRRGATACLVNLFCADLLFISALPLV 96
DB 38 ILALV---IFAVFLVGLGNALVWVTAFAEAKRTINAIWPLNLAVADFLSCLALPLIFT 94
QY 97 AVRTEAMLGPVACHLLFYVMTLSGVTITLTAVALSERMVCIVH--LQGVGRPGRRA 154
DB 95 SIIVHHHMPFGAACSILPILNLMTASILLALTISDRFLVFKPWCQNFAGAG--L 152
QY 155 RAVLLALINGSAVALPLCVFRVY-----PQRLPGAD-----QELISICTLIWPT 200

DB 153 AMIACAVAGLALLTIP--SFLYRVRESEYPPPKVLGVDYSHDKRERAVAVRLV--- 208
QY 201 IPGEISMDVSFVTLNLFVPLVIVISKILQITKARKRLTVSLAVSESHQIRVQDF 260
DB 209 -----LGFMLPPLTLTICTFTILRTWSR-----ATRST 238
QY 261 RLFTFLMVSFPIIMSPITIT--ILLILIONFKODLVIMPSEFWVAFTFANSALNP 319
DB 239 KTLKVVAVAVASFFIFMLPVQVTGIMMSFLBPSPFLLINKDLSLCVSAFINCCINPI 298
QY 320 LYNM-----TLCRNEWKKIFCCFWFPEKGAILTTSYKRNLS 357
DB 299 IYVAVGGFQGRRLKSLPSILRN-----VLTEBSYVRESKS 334

RESULT 8
US-10-627-633-2
;; Sequence 2, Application US/10627633
;; Publication No. US20050250720A1
;; GENERAL INFORMATION:
;; APPLICANT: Charles, Andrew David
;; APPLICANT: Hartl, Kevin Anthony
;; TITLE OF INVENTION: Novel Compound
;; FILE REFERENCE: 1991-221
;; CURRENT APPLICATION NUMBER: US/10/627,633
;; CURRENT FILING DATE: 2003-07-28
;; PRIOR APPLICATION NUMBER: 09/722,342
;; PRIOR FILING DATE: 2000-11-28
;; PRIOR APPLICATION NUMBER: 60/172,146
;; PRIOR FILING DATE: 1999-12-17
;; NUMBER OF SEQ ID NOS: 6
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO: 2
;; LENGTH: 415
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-627-633-2

Query Match 11.8%; Score 217.5; DB 6; Length 415;
Best Local Similarity 23.0%; Pred. No. 8.6e-12;
Matches 91; Conservative 72; Mismatches 143; Indels 89; Gaps 21;

QY 5 CARAAGDAPRSLSEQ-----ANRTRPPFSDVKDHRVLAAVETTVLVIFAVAL 53
DB 28 CTETATPLPSQYLMELSEHSMWSNQ-----DLHYVLKPGEVATASIFGLML 77
QY 54 -SLIGN--VCALVAVARRRGATACLVNLFCADLLF--ISALPLVAVRWTEAMLGPV 109
DB 78 FSIFGNSLVC-LVIHSRRTQSTTNVFEVSMACADLLISVASTPFLVQLFTTGWTLGSA 136
QY 110 ACHLLPVTMLSSVTITLTAVALSERMVCIVHLQRCVGRP-----GRRAVALALING 164
DB 137 TCKVRRFYQVLTGVOQVYVLLSICIDRFYITV-----PLSPKSRERAKKXIAWSI 189
QY 165 YSAVALPLCVFRVVPQRLPGADQELSICTLIIMPTIRGEISMDVSFVT-----LNFVLP 219
DB 190 FDAQFVTPVLPFY-----GSNWD-SHCNYFLPS-----SNEGTVIYIHLVGVIP 235
QY 220 GLVIVISYSKILQI-----TKASRKRLTVSLAVSESHQIRVSQDFRLFTFLMVSFF 274
DB 236 SVLILFYGQVIXIKYIRIGTDGRTVRRITNI-----VPRTKVTKIKMFLITNLFL 286
QY 275 IMMSPIITITLL--ILLIONFKODLVIMPSEFWVAFTFANSALNPILYNM--TLCRNEWK 331
DB 287 LSWLPFVVAQLMHPHEQDKSSLVFPAL-TW--SFSSASAKPILYSIYMANFRGMK 342
QY 332 KIFC-----CFWPEKGAILTDS---VKRNDLSI 358
DB 343 ETCQMSMKCY---RSNAYTITTISSRMKAKQVYGI 374

RESULT 9

US-10-992-577-8
; Sequence 8, Application US/10992577
; Publication No. US20050260687A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe P. G.
; APPLICANT: Jones, Kenneth A.
; APPLICANT: Bonini, James A.
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Craig, Douglas A.
; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
; TITLE OF INVENTION: And Uses Thereof
; FILE REFERENCE: 57155-D/JPW
; CURRENT APPLICATION NUMBER: US/10/992,577
; CURRENT FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US/09/538,036
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/405,558
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 09/255,368
; PRIOR FILING DATE: 1999-02-22
; PRIOR APPLICATION NUMBER: 09/161,113
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 8
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-992-577-8
Query Match 11.5%; Score 212.5; DB 6; Length 430;
Best Local Similarity 26.7%; Pred. No. 2,3e-11;
Matches 83; Conservative 46; Mismatches 139; Indels 43; Gaps 12;
QY 35 HRLVAAVETTLVLIFAVSLGN--VCAVLVARRRRRGATACLVNLFCADLTF-ISA 91
DB HTSPVAAWFIYAAVLIPLCMVGNLTVCFIYL-KRHHHTVTNMFILNLAVSDLLVGIFC 96
QY 92 IPIVLAVWTEAMLGPAVCHULPFVMTLSSVTTLTAAVSLERWVCIVHLDGRVRRPG 151
DB 97 MPTLVLDNLITGMPEDNATCKMSGLVQMSVSASVFTLVAIVERFRIIVH-----PF 149
QY 152 R-----RAVAVLILMGSAVAALPLCVFRVNVPR-----LPGADQESICTLWPT 200
DB 150 REKILTRALVTIATVNLALLIMCPASVTLTVREHHFMDARNSRPLYSCEAMPE 209
QY 201 IPGEISMDVSEVTINFLVPGLVIVISYKILQITKASRRLTV--SLAVSESHQIRVSQ 257
DB 210 KGMRRVYTVTFESHYLAFLALIVVARI-----ARKLQAPGAPAGGEADPRASR 263
QY 258 QDFLFRLLPLMLMSFFIMMSPIITITILLILIONFKODLVTPSL-FFWVVAFTPA--- 312
DB 264 RRAVVVHMLVNVVALEFTLSMLPLNALLLI---DYGQ--LSAPQLHLVTVAFFPAHMLA 318
QY 313 --NSALNPILY 321
DB 319 FPNSSANPIIY 329

STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/068,686
FILING DATE: 28-Feb-2005
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Noland, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 27866/33670
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
TELEFAX: 312-474-0448
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-11-068-686-20
Query Match 11.3%; Score 209; DB 7; Length 352;
Best Local Similarity 23.1%; Pred. No. 3.7e-11;
Matches 82; Conservative 59; Mismatches 126; Indels 88; Gaps 16;
QY 49 LIPVAVSLGN-CALVVARRRRGATACLVNLFCADLTFISAPLVAVWTE----A 103
DB 39 LVFTFGVGNILVLLILINCRKLSMTDIYLNALISDLFLTLVFP-----WAVYAAQ 93
QY 104 MLGPVACHL--LFWMTLSSGVTTLTAAVSLERWVCIVHLDGRVRRRAVAVLA 160
DB 94 MDGNVTCQLTGLYFFGFSIGIFITLL--TIDRYLAIVHAFAL-----KATVYFG 145
QY 161 LI-----WGSVAVALPLCVFRVNVPRLPADQESICTLWPTIGESISW----DVSF 211
DB 146 VVTSVIVWVAVAFSLGIIIFTRSGRGHL-----YTCSSHFFYSQYQF-WKRFQTLX 198
QY 212 VTNLFLVPGLVIVISYKILQITKASRRLTVSLAVSESHQIRVSQDFLFRLLPLMV 271
DB 199 VILGLVPLVLMVICYIGILTKLRCRN-----EKKHRAVRILFTIMI 242
QY 272 SFFIMSPITITILLILIONF-----KQDLVIMPSLFFWVVAFTFASALNPI 319
DB 243 VFLLMAPYINVLNLTFOEFGNLNCSNRLDOAQVETL-----GMTCCINPI 295
QY 320 LYN-----MTLCRNEMKIF--CCEWF-----PEKAILDTSVKRNLSI 358
DB 296 IYAFVGEKFRNYLVLFQKHAKRFCKCCSIFQGEAEPRASSVYTRTSGEISV 350

RESULT 10
US-11-068-686-20
; Sequence 20, Application US/11068686
; Publication No. US20050260565A1
; GENERAL INFORMATION:
; APPLICANT: Gray, Patrick W.
; APPLICANT: Schweickart, Vicki L.
; APPLICANT: Report, Carol J.
; TITLE OF INVENTION: Chemokine Receptor Materials and Methods
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago

RESULT 11
US-10-992-577-6
; Sequence 6, Application US/10992577
; Publication No. US20050260687A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe P. G.
; APPLICANT: Jones, Kenneth A.
; APPLICANT: Bonini, James A.
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Craig, Douglas A.
; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
; TITLE OF INVENTION: And Uses Thereof
; FILE REFERENCE: 57155-D/JPW
; CURRENT APPLICATION NUMBER: US/10/992,577
; CURRENT FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US/09/538,036

Qy 217 LVPGLVIVISYSKILQI-----TKASRKRLTVSLAYSESQDQRLFRFLFLMV 271
Db 227 VIPSLLILFYOKVIXIWRIGTDGRTLRRTMTI-----VPRTKVIXKXKFLMLNL 277
Qy 272 SFFIMWSPILITILL-ILIQNEKODLVIMPSLFFWVVAFTFANSALNPILYNM--TLGRN 328
Db 278 VFLFEMLPFHVAQNLHPHQDYKSSLVFTAV-TWV-----SFESSASKPTLVSIVANRR 333
Qy 329 EWKTI-FC-----CFWFPKGAITLDTIS---VKRNDLSI 358
Db 334 GKKEFTCMSMKCY---RSNAYTITTSRMAKRNIVGI 368

RESULT 14

US-11-068-686-2
Sequence 2, Application US/11068686
Publication No. US20050260565A1
GENERAL INFORMATION:
APPLICANT: Gray, Patrick W.
Schweickart, Vicki L.
Report, Carol J.
TITLE OF INVENTION: Chemokine Receptor Materials and Methods
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/068,686
FILING DATE: 28-Feb-2005
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Noland, Grete E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 27866/33670
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
TELEFAX: 312-474-0448
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: /= "88C amino acid sequence"
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-11-068-686-2

Query Match 10.9%; Score 201; DB 7; Length 352;
Best Local Similarity 22.5%; Pred. No. 1.8e-10;
Matches 80; Conservative 59; Mismatches 128; Indels 86; Gaps 16;
Qy 49 LIPAVSLIGNCA-LVVARRRRGATACLVNLFCAADLLPISALPLVAVRWTE----A 103
Db 39 LVFIKGFVGMNLVILINCKRLKSMTDIYLNLAISDLFLITVPF-----MAYYAAQ 93
Qy 104 WLIGVACHL---LFYVWTLSSVTILTLAVALSERMWCIVHLQGVGPGRRARAVLLA 160
Db 94 WDFGNTMCOQLTGLTFFGFSGIFITILL---TIDRYLAVHAVAFAL-----KATVTFG 145
Qy 161 LI-----MGYSAAVALPLCVFFRVVFORLPAGADOEISICTLIWPTIPGEISM---DVSF 211
Db 146 VVTSVITWVAVFASLPGIIFTRSGEGH-----YTCSHFPSQYQF-WKXPFQTLKI 198

Qy 212 VTIANFVPGVIVISYSKILQITKASRKRLTVSLAYSESQDQRLFRFLFLMV 271
Db 199 VILGLVPLVWVIVCYSGILLTLRLCRN-----EKKHRAVRLIFETMI 242
Qy 272 SFFIMWSPILITILLILQNE-----KODLVIMPSLFFWVVAFTFANSALNPI 319
Db 243 VYFLFMAPIYNVILLNTQEFPGIANGSSNRLOAMQVETL-----GMTHCIIPI 295
Qy 320 LYN-----MTLCNEMWKIF--CCFWF-----DEKGAITLDTSVKRNLSI 358
Db 296 IYAFVGEKFRNYLVLFVFGIHXKRFCKKCSIFQGEAPERASSVYTRSGEGEISV 350

RESULT 15

US-10-627-633-6
Sequence 6, Application US/10627633
Publication No. US20050250720A1
GENERAL INFORMATION:
APPLICANT: Charles, Andrew David
Brennand, John Charles
APPLICANT: Hart, Kevin Anthony
TITLE OF INVENTION: Novel Compound
FILE REFERENCE: 1991-221
CURRENT APPLICATION NUMBER: US/10/627,633
PRIOR FILING DATE: 2003-07-28
PRIOR APPLICATION NUMBER: 09/722,342
PRIOR FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: 60/1172,146
PRIOR FILING DATE: 1999-12-17
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn version 3.2
SEQ ID NO 6
LENGTH: 352
TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-627-633-6

Query Match 10.9%; Score 200.5; DB 6; Length 352;
Best Local Similarity 23.9%; Pred. No. 1.9e-10;
Matches 83; Conservative 56; Mismatches 123; Indels 85; Gaps 18;
Qy 50 IFAVSLIGN--VCALTVARRRRGATACLVNLFCAADLLF-ISAIPLVAVRWTEAWLL 106
Db 34 LMLPSIFGNSLVC-LVHRSRRSTSTNYLVSNACADLLISVASTPVLQFTGRWTL 92
Qy 107 GPVACHLLFYVMTLSSGVTTITTLAVALSERMWCIVHLQGVGPG---GRARAVLLAL 161
Db 93 GSAMCKVVRVYQVLTPEVQIVVLISICIDRYTIVY-----PLSPKVSSEKAKMIAA 145
Qy 162 IWGYSAAVALPLCVFFRVVFORLPAGADOEISICTLIWPTIPGEISMDVSPVT---LNF 216
Db 146 SWIIDAFAVTFVFFFY-----GSNWD-SHCNVFLP-----SMEGTAYTVIHPVGF 191
Qy 217 LVPGLVIVISYSKILQI-----TKASRKRLTVSLAYSESQDQRLFRFLFLMV 271
Db 192 VIPSLLILFYOKVIXIWRIGTDGRTLRRTMTI-----VPRTKVIXKXKFLMLNL 242
Qy 272 SFFIMWSPILITILLILQNEKODLVIM-----PSLFFWVVAFTFANSALNPILY 321
Db 243 VFLFEMLPFHVAQNL-----WHHPHQDYKSSLVFTAVTWVSFESSASKPTLY 289
Qy 322 NM--TLGRNEMWKIF-FC-----CFWFPKGAITLDTIS---VKRNDLSI 358
Db 290 SIVANRRRGKKEFTCMSMKCY---RSNAYTITTSRMAKRNIVGI 333

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Job time : 12 secs

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OM protein - protein search, using SW model

Run on: December 5, 2005, 09:26:32 : Search time 26 Seconds
(without alignments)
1147.920 Million cell updates/sec

Title: US-10-077-698-1

Perfect score: 1846
Sequence: 1 MSPECARAGADAPLRSLRQA.....KGALITDTSVKRNLSLTIIS 361

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/1/1aa/5-COMB.pep: *
2: /cgn2_6/ptodata/1/1aa/6-COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/H-COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/PTTUS-COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/RE-COMB.pep: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1846	100.0	361	2	US-09-261-599B-1 Sequence 1, Appli
2	1846	100.0	361	2	US-09-456-455A-1 Sequence 1, Appli
3	1591	86.2	361	2	US-09-261-599B-4 Sequence 4, Appli
4	1591	86.2	361	2	US-09-456-455A-4 Sequence 4, Appli
5	1541	83.5	300	2	US-09-261-599B-6 Sequence 6, Appli
6	1353	73.3	300	2	US-09-261-599B-7 Sequence 7, Appli
7	294	15.9	395	2	US-08-900-230-5 Sequence 5, Appli
8	290	15.7	444	2	US-09-426-290-2 Sequence 2, Appli
9	289	15.7	345	2	US-08-981-700A-5 Sequence 5, Appli
10	289	15.7	346	2	US-09-199-737-5 Sequence 3, Appli
11	289	15.7	346	2	US-08-993-088A-3 Sequence 3, Appli
12	289	15.7	346	2	US-08-993-424B-3 Sequence 3, Appli
13	289	15.7	346	2	US-09-058-333A-5 Sequence 5, Appli
14	289	15.7	346	2	US-09-595-549-6 Sequence 6, Appli
15	289	15.7	346	2	US-09-603-680-3 Sequence 3, Appli
16	289	15.7	346	2	US-08-899-112B-30 Sequence 30, Appli
17	289	15.7	346	2	US-09-011-553-7 Sequence 7, Appli
18	289	15.7	444	2	US-09-826-509-551 Sequence 551, App
19	287	15.5	348	2	US-08-513-974B-46 Sequence 46, Appli
20	287	15.5	348	2	US-08-513-974B-342 Sequence 342, App
21	287	15.5	348	2	US-08-993-088A-10 Sequence 10, Appli
22	287	15.5	348	2	US-08-993-424B-10 Sequence 2, Appli
23	287	15.5	348	2	US-08-540-650B-2 Sequence 2, Appli
24	287	15.5	348	2	US-09-595-549-5 Sequence 5, Appli
25	287	15.5	348	2	US-09-461-436B-46 Sequence 46, Appli
26	287	15.5	348	2	US-09-603-680-10 Sequence 10, Appli
27	286	15.5	349	2	US-08-513-974B-343 Sequence 343, App

28	286	15.5	444	2	US-09-119-788-2 Sequence 2, Appli
29	271.5	14.7	349	2	US-08-993-088A-11 Sequence 11, Appli
30	271.5	14.7	349	2	US-08-993-424B-11 Sequence 5, Appli
31	271.5	14.7	349	2	US-08-540-650B-5 Sequence 2, Appli
32	271.5	14.7	349	2	US-08-693-308-2 Sequence 7, Appli
33	271.5	14.7	349	2	US-09-595-549-7 Sequence 11, Appli
34	271.5	14.7	349	2	US-09-603-680-11 Sequence 6, Appli
35	271.5	14.7	349	2	US-08-981-700A-6 Sequence 344, App
36	271.5	14.7	351	2	US-08-513-974B-344 Sequence 503, App
37	270.5	14.7	349	2	US-09-826-509-503 Sequence 10, Appli
38	270	14.6	418	1	US-07-816-283-10 Sequence 573, App
39	269	14.6	418	2	US-08-417-103-70 Sequence 573, App
40	266	14.4	364	2	US-09-826-509-573 Sequence 577, App
41	266	14.4	364	2	US-08-192-288-2 Sequence 2, Appli
42	266	14.4	381	1	US-08-687-355A-2 Sequence 2, Appli
43	266	14.4	381	2	US-09-200-673-16 Sequence 16, Appli
44	266	14.4	381	2	US-08-876-798A-2 Sequence 2, Appli
45	266	14.4	381	2	US-08-876-798A-2 Sequence 2, Appli

ALIGNMENTS

```
RESULT 1
US-09-261-599B-1
Sequence 1, Application US/09261599B
Patent No. 6395877
GENERAL INFORMATION:
APPLICANT: Glucksmann, Maria A.
TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor
FILE REFERENCE: 5800-4B, 035800/177086
CURRENT APPLICATION NUMBER: US/09/261, 599B
CURRENT FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 09/107, 761
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: 09/223, 538
PRIOR FILING DATE: 1998-12-30
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1
LENGTH: 361
TYPE: PRT
ORGANISM: Homo sapiens
US-09-261-599B-1

Query Match      100.0%; Score 1846; DB 2; Length 361;
Best Local Similarity 100.0%; Pred. No. 2.8e-158;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAGADAPLRSLRQA...KGALITDTSVKRNLSLTIIS 60
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DB 1 MSPECARAGADAPLRSLRQA...KGALITDTSVKRNLSLTIIS 60
    |||

QY 61 ALTVARRRRRGATACVNLFCADLFFISAIPVLVVRWTEAWLGLGVACHLFFYVWTL 120
    |||
DB 61 ALTVARRRRRGATACVNLFCADLFFISAIPVLVVRWTEAWLGLGVACHLFFYVWTL 120
    |||

QY 121 SGSTITITLAAVSLERNVCIHLDQGVGRGRRARAVLLALIMGYSAVAALPLCVFRRV 180
    |||
DB 121 SGSTITITLAAVSLERNVCIHLDQGVGRGRRARAVLLALIMGYSAVAALPLCVFRRV 180
    |||

QY 181 PQRPLGADQDSICTLITWPTTPEGISNDVSVTLNPLVPGVLYIYSKIIQITKASKR 240
    |||
DB 181 PQRPLGADQDSICTLITWPTTPEGISNDVSVTLNPLVPGVLYIYSKIIQITKASKR 240
    |||

QY 241 LTVSLAYSESHQIVSOODPRLFTFLFLMWSPFIMSPITITLILIQNFKODLVNMP 300
    |||
DB 241 LTVSLAYSESHQIVSOODPRLFTFLFLMWSPFIMSPITITLILIQNFKODLVNMP 300
    |||

QY 301 SLFFWVAFTFANSALNPILVNMTLGNENWKIFCCFWPEKGA1LDTSVKRNLSLTIIS 360
    |||
DB 301 SLFFWVAFTFANSALNPILVNMTLGNENWKIFCCFWPEKGA1LDTSVKRNLSLTIIS 360
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QY 361 G 361
Db 361 G 361

RESULT 2

US-09-456-455A-1
; Sequence 1, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-456-455A-1

Query Match 100.0%; Score 1846; DB 2; Length 361;
Best Local Similarity 100.0%; Pred. No. 2,8e-158;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLAVENTTVLIFAVSLGNVC 60
Db 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLAVENTTVLIFAVSLGNVC 60
QY 61 ALVLVARRRRRGATACIVNLFCADLLFISAIPLVLAVRWTEAMLGPVACHLLFYVMTL 120
Db 61 ALVLVARRRRRGATACIVNLFCADLLFISAIPLVLAVRWTEAMLGPVACHLLFYVMTL 120
QY 121 SGSTYITLTLAASLERMVCIVHLQGVGGRARRAVLLALINGYSAAVALPLCVFRV 180
Db 121 SGSTYITLTLAASLERMVCIVHLQGVGGRARRAVLLALINGYSAAVALPLCVFRV 180
QY 181 PORLPGADQESICTLIMPTIPGEISMDVSFVTLNPLVPGLVIVYSKILQITKASRK 240
Db 181 PORLPGADQESICTLIMPTIPGEISMDVSFVTLNPLVPGLVIVYSKILQITKASRK 240
QY 241 LTVSLAYSESHQIRVSGQDFRLPRTLFLMWSPFIMMSPIITILLILIONFKODLYIMP 300
Db 241 LTVSLAYSESHQIRVSGQDFRLPRTLFLMWSPFIMMSPIITILLILIONFKODLYIMP 300
QY 301 SLFFWVVAFTFANSALNPILYNNMTCRNEKKIFCCWFPEKGAILTDTSVKRNDSIIS 360
Db 301 SLFFWVVAFTFANSALNPILYNNMTCRNEKKIFCCWFPEKGAILTDTSVKRNDSIIS 360
QY 361 G 361
Db 361 G 361

RESULT 3

US-09-261-5998-4
; Sequence 4, Application US/092615998
; Patent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/117086
; CURRENT APPLICATION NUMBER: US/09/261,5998
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30

; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
US-09-261-5998-4

Query Match

86.2%; Score 1591; DB 2; Length 361;
Best Local Similarity 85.8%; Pred. No. 2,5e-135;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLAVENTTVLIFAVSLGNVC 60
Db 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLAVENTTVLIFAVSLGNVC 60
QY 61 ALVLVARRRRRGATACIVNLFCADLLFISAIPLVLAVRWTEAMLGPVACHLLFYVMTL 120
Db 61 ALVLVARRRRRGATACIVNLFCADLLFISAIPLVLAVRWTEAMLGPVACHLLFYVMTL 120
QY 121 SGSTYITLTLAASLERMVCIVHLQGVGGRARRAVLLALINGYSAAVALPLCVFRV 180
Db 121 SGSTYITLTLAASLERMVCIVHLQGVGGRARRAVLLALINGYSAAVALPLCVFRV 180
QY 181 PORLPGADQESICTLIMPTIPGEISMDVSFVTLNPLVPGLVIVYSKILQITKASRK 240
Db 181 PORLPGADQESICTLIMPTIPGEISMDVSFVTLNPLVPGLVIVYSKILQITKASRK 240
QY 241 LTVSLAYSESHQIRVSGQDFRLPRTLFLMWSPFIMMSPIITILLILIONFKODLYIMP 300
Db 241 LTVSLAYSESHQIRVSGQDFRLPRTLFLMWSPFIMMSPIITILLILIONFKODLYIMP 300
QY 301 SLFFWVVAFTFANSALNPILYNNMTCRNEKKIFCCWFPEKGAILTDTSVKRNDSIIS 360
Db 301 SLFFWVVAFTFANSALNPILYNNMTCRNEKKIFCCWFPEKGAILTDTSVKRNDSIIS 360

RESULT 4

US-09-456-455A-4
; Sequence 4, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
US-09-456-455A-4

Query Match

86.2%; Score 1591; DB 2; Length 361;
Best Local Similarity 85.8%; Pred. No. 2,5e-135;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLAVENTTVLIFAVSLGNVC 60
Db 1 MSPECARAGDAPLRSLQANRTRPPFSDVKGDRHLVLAVENTTVLIFAVSLGNVC 60
QY 61 ALVLVARRRRRGATACIVNLFCADLLFISAIPLVLAVRWTEAMLGPVACHLLFYVMTL 120
Db 61 ALVLVARRRRRGATACIVNLFCADLLFISAIPLVLAVRWTEAMLGPVACHLLFYVMTL 120

```
Qy 121 GSVITLTLAAVSLERMCIVLQGVGPGRRARAVLLALIWGYSAAVALPLCVFPRV 180
Db 121 GSVITLTLAAVSLERMCIVRLRGSLGPGRRQAALLAFWGSALAAPLVYLFV 180
Qy 181 PQLPGADQEIISCTLIWPTIPEGISMDVSPVTLNPLVGLVIVISYSKILQITASRR 240
Db 181 PQLPGADQEIISCTLIWPTIPEGISMDVSPVTLNPLVGLVIVISYSKILQITASRR 240
Qy 241 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITILLIQNKODLVIMP 300
Db 241 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITILLIQNKODLVIMP 300
Qy 301 SLFFWVAVFTFANSALNPLVYMTLCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 360
Db 301 SLFFWVAVFTFANSALNPLVYMTLCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 360
```

RESULT 5
US-09-261-599B-6
Sequence 6, Application US/09261599B
Patent No. 6395877

GENERAL INFORMATION:

APPLICANT: Gluckmann, Maria A.

TITLE OF INVENTION: 14273 Receptor, A No. 6395877e1 G-Protein Coupled Receptor

FILE REFERENCE: 5800-4B, 035800/177086

CURRENT APPLICATION NUMBER: US/09/261,599B

PRIOR FILING DATE: 1998-02-26

PRIOR APPLICATION NUMBER: 09/107,761

PRIOR FILING DATE: 1998-06-30

PRIOR APPLICATION NUMBER: 09/223,538

PRIOR FILING DATE: 1998-12-30

NUMBER OF SEQ ID NOS: 7

SOFTWARE: Patent Ver. 2.1

SEQ ID NO 6

LENGTH: 300

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: mature polypeptide of 14273

Query Match 83.5%; Score 1541; DB 2; Length 300;
Best Local Similarity 100.0%; Pred. No. 6,5e-111;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 62 LVLVARRRRRGATACLVNLFCAIDLFTSAIPVLAVRWTEAMLGPVACHLFPYMTLS 121
Db 1 LVLVARRRRRGATACLVNLFCAIDLFTSAIPVLAVRWTEAMLGPVACHLFPYMTLS 60
Qy 122 GSVITLTLAAVSLERMCIVLQGVGPGRRARAVLLALIWGYSAAVALPLCVFPRV 181
Db 61 GSVITLTLAAVSLERMCIVLQGVGPGRRARAVLLALIWGYSAAVALPLCVFPRV 120
Qy 182 QRLPGADQEIISCTLIWPTIPEGISMDVSPVTLNPLVGLVIVISYSKILQITASRR 241
Db 121 QRLPGADQEIISCTLIWPTIPEGISMDVSPVTLNPLVGLVIVISYSKILQITASRR 180
Qy 242 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITILLIQNKODLVIMP 301
Db 181 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITILLIQNKODLVIMP 240
Qy 302 SLFFWVAVFTFANSALNPLVYMTLCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 361
Db 241 SLFFWVAVFTFANSALNPLVYMTLCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 300
```

RESULT 6
US-09-261-599B-7
Sequence 7, Application US/09261599B
Patent No. 6395877
GENERAL INFORMATION:
APPLICANT: Gluckmann, Maria A.

```
Qy 121 GSVITLTLAAVSLERMCIVLQGVGPGRRARAVLLALIWGYSAAVALPLCVFPRV 180
Db 121 GSVITLTLAAVSLERMCIVRLRGSLGPGRRQAALLAFWGSALAAPLVYLFV 180
Qy 181 PQLPGADQEIISCTLIWPTIPEGISMDVSPVTLNPLVGLVIVISYSKILQITASRR 240
Db 181 PQLPGADQEIISCTLIWPTIPEGISMDVSPVTLNPLVGLVIVISYSKILQITASRR 240
Qy 241 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITILLIQNKODLVIMP 300
Db 241 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITILLIQNKODLVIMP 300
Qy 301 SLFFWVAVFTFANSALNPLVYMTLCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 360
Db 301 SLFFWVAVFTFANSALNPLVYMTLCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 360
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Query Match 73.3%; Score 1353; DB 2; Length 300;
Best Local Similarity 88.0%; Pred. No. 5,4e-114;
Matches 263; Conservative 15; Mismatches 21; Indels 0; Gaps 0;

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Qy 62 LVLVARRRRRGATACLVNLFCAIDLFTSAIPVLAVRWTEAMLGPVACHLFPYMTLS 121
Db 1 LVLVARRRRRGATACLVNLFCAIDLFTSAIPVLAVRWTEAMLGPVACHLFPYMTLS 60
Qy 122 GSVITLTLAAVSLERMCIVLQGVGPGRRARAVLLALIWGYSAAVALPLCVFPRV 181
Db 61 GSVITLTLAAVSLERMCIVRLRGSLGPGRRQAALLAFWGSALAAPLVYLFV 120
Qy 182 QRLPGADQEIISCTLIWPTIPEGISMDVSPVTLNPLVGLVIVISYSKILQITASRR 241
Db 121 QRLPGADQEIISCTLIWPTIPEGISMDVSPVTLNPLVGLVIVISYSKILQITASRR 180
Qy 242 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITILLIQNKODLVIMP 301
Db 181 LTVSLAYSESHQIRVSQODFRLFTLFLMVSFFIMWSPITITILLIQNKODLVIMP 240
Qy 302 SLFFWVAVFTFANSALNPLVYMTLCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 360
Db 241 SLFFWVAVFTFANSALNPLVYMTLCRNEMKKIFCCFMPPEKGAITDTSVGRNDLSIS 299
```

RESULT 7
US-08-900-230-5
Sequence 5, Application US/08900230
Patent No. 6329197
GENERAL INFORMATION:
APPLICANT: Bard, Jonathan A.
TITLE OF INVENTION: DNA ENCODING GALANIN GALR3 RECEPTORS AND
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of The Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 11036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/900,230
FILING DATE: 23-JUL-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 52241-C/JPM/ADM
TELECOMMUNICATION INFORMATION:

Qy	98	RRWTEAMLLSPVAACHLLEFVMTLLSGSVTLTLAAVLEEMVSVIHLORGVRGGRABAV	157
Db	94	YVALFETWUGAATICKFHHFTVSMVLSFTLLAAMSVDKVALVHSRRS--SELRSRNA	151
Qy	158	LLAL--IWGYSAAVALPLCVFPRVVRBDRPGADOEISICTLWPTIPGEISMDVSPVTLN	215
Db	152	LLGVGFIMALSIFAMSPVAUY----QRLFHRDSNQTFCSEHMPNQHLKAAUYVCFVFG	206
Qy	216	FLVPLRLVIAISKTLQITKASRKLTGLVSLAVSESHQIKVSQDDFLRLLFLIMSPFI	275
Db	207	YLLPRLLLICFCYAKVNLHLHKLLKNNKSK--SEASKKKTAAQ---TVLVVVVVFGEI	256
Qy	276	MMSPIITILLILIONFKODLVIMPSLFEWVV---AFTEANSALNIDILYNNMTL--CRNEW	330
Db	257	SWLRPHNVHLMAEFGAFR---LTPASFFRITAHGLAVSNSSVNIITAFLESENFRKAY	312
Qy	331	KKIFCC	336
Db	313	KOVFKC	318

```

RESULT 10
US-09-199-737-5
? Sequence 5, Application US/09199737A
? Patent No. 6287788
? GENERAL INFORMATION:
? APPLICANT: Bard, Jonathan A.
? APPLICANT: Borowsky, Beth
? APPLICANT: Smith, Kelli E.
? APPLICANT: Branchek, Theresa A.
? APPLICANT: Gerald, Christophe P. G.
? APPLICANT: Jones, Kenneth A.
? TITLE OF INVENTION: DNA Encoding Galanin GALR3 Receptors And Uses Thereof
? FILE REFERENCE: 52241-D-PCT-US
? CURRENT APPLICATION NUMBER: US/09/199,737A
? CURRENT FILING DATE: 1998-11-25
? NUMBER OF SEQ ID NOS: 59
? SOFTWARE: PatentIn Ver. 2.0 - beta
? SEQ ID NO 5
? LENGTH: 346
? TYPE: PRT
? ORGANISM: Rat
? US-09-199-737-5

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Query Match	15.7%	Score 289;	DB 2;	Length 346;
Best Local Similarity	29.4%	Pred. No. 3.7e-18;		
Matches 90; Conservative	54;	Mismatches 130;	Indels 32;	Gaps 10;

Qy	42	IETTVLVIIFAAVLGNVCALVAVRR---	RRGATACVINDFCADLLE-ISAIVLVA	97
Db	34	ITLVFGLIFAMGVGNSLVITVLA	RSKRGKRSTTNFLINDSLDVLVLCIFIPQAT	93
Qy	98	VRMTEAMLGVPVACHLIFYVMTLSGS	VTLTLTAASLEBMCIVHLORGVGGPRARAV	157
Db	94	VYALPTWVLGAFICKEIHFFVSMVLS	IFTLTAAMSVDVRYAIVHSRRS--SELRSRRA	151
Qy	158	LLAL--IWGSAVALPLCFVRVRYV	PORIPGADOEISICTLIMPTIGESIMDSVETLN	215
Db	152	LLGVGFIALSIAMSPVAYY-----	QRLPHDSNQTFCMEHNPNDLHKAYVCTFVVG	206
Qy	216	FLVPGVLVIVISISKILOITKASRKL	TVLSLAYSESHQIRVSGODFELFTLFLLVWSFPI	275
Db	207	YLLPRLLLCFCAKVLNHLHKLLK	MMSSKK--SEASKKTAQ-----TVLVVVVVFGI	256
Qy	276	MMSPITITLLILIONPKODLVIMPS	LFPMVV--AFTANSAKLNILYNNMTL--CRNEM	330
Db	257	SWLRPHVHVLMAEFGAFP---	LTPASFFRITAHCLAYSNSVNPITYAFLSENFRKAY	312
Qy	331	KKIFCC	336	
Db	313	KOVFKC	318	

```

11 RESULT
12 US-08-993-088A-3
13 ; Sequence 3, Application US/08993088A
14 ; Patent No. 6287855
15 ; GENERAL INFORMATION:
16 ; APPLICANT: Tan, Carina
17 ; APPLICANT: Sullivan, Kathleen
18 ; TITLE OF INVENTION: GALANIN RECEPTOR GPCR2 A
19 ; TITLE OF INVENTION: NUCLEOTIDES ENCODING SAM
20 ; NUMBER OF SEQUENCES: 20
21 ; CORRESPONDENCE ADDRESS:
22 ; ADDRESS: Merck & Co., Inc.
23 ; STREET: P. O. Box 2000, 126 E. Lincoln Ave.
24 ; CITY: Rahway
25 ; STATE: NJ
26 ; COUNTRY: USA
27 ; ZIP: 07065-0900
28 ; COMPUTER READABLE FORM:
29 ; MEDIUM TYPE: Diskette
30 ; COMPUTER: IBM Compatible
31 ; OPERATING SYSTEM: Windows
32 ; SOFTWARE: PseSTEO for Windows Version 2.0b
33 ; CURRENT APPLICATION DATA:
34 ; APPLICATION NUMBER: US/08/993.088A
35 ; FILING DATE: 18-DEC-1997
36 ; CLASSIFICATION: 530
37 ; PRIOR APPLICATION DATA:
38 ; APPLICATION NUMBER: 60/033.851
39 ; FILING DATE: 27-DEC-1996
40 ; ATTORNEY/AGENT INFORMATION:
41 ; NAME: Heber, Sheldon O.
42 ; REGISTRATION NUMBER: 38,179
43 ; REFERENCE/DOCKET NUMBER: 19846
44 ; TELECOMMUNICATION INFORMATION:
45 ; TELEPHONE: 733-594-1958
46 ; TELEFAX: 732-594-4720
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US-08-993-088A-3	
Query Match	15.7%; Score 289; DB 2; Length 346;

Matches	90; Conservative	54; Mismatches	130; Indels	33; Gaps	10
Qy	42	VETTVLVILIFVSLIGNCALVLVRR---	RRRGATACLVNLFQADLLF-ISAIPLVLA	97	
Db	34	ITLVVFGIIFAMGVIGNSLVITVLARSKPKGRKSTTNFIINLSIADIYLVILFCIPFOAT	93		
Qy	98	VRWTEAMLIGVACHLFPYVMTLISGSYVILTLAAVSLERMCVCIHLONGRGGRARAV	157		
Db	94	VYALPTVWLGAFICFIFYHFFTVSMVLSIFITLAANSVRYAIVYSRRS--SSLKYSRIA	151		
Qy	158	LLAL-IMGSAVALPLCVFRRVVRPQLPGADOEISICTLWPTIPGEISMDVSFVTLN	215		
Db	152	LLGVGFIALSIAMASPVAVY-----QRLPHRDSNQTCWEHMFQHLKKAVVVCFTVPG	206		
Qy	216	FLVVGVLVVISKILQITTKASRKRLTVSLAYSEHQIRVSGQDRRLRPTLEFLMVSFPI	275		
Db	207	YLLELLLICFCYAAVLNHLAKKLKMSK--SEASKKTKAQ-----TVLVVVVFPEI	256		
Qy	276	MMSEPIITLILILIONFKODLVIMPSLFPFVV--AFPAFNSALNPILYNNML--CRNEM	330		
Db	257	SMLEHHVHLMAEFGARP---LTPASFFPRTIACGLAVSNSSVNPITIAFLSENRRKAY	312		
Qy	331	KKIFCC	336		

Db 313 KOVFKC 318

RESULT 12

US-08-993-424B-3
Sequence 3, Application US/08993424B

Patent No. 6337206

GENERAL INFORMATION:

APPLICANT: Tan, Carina

APPLICANT: Kolakowski, Lee F., Jr.

TITLE OF INVENTION: MOUSE GALANIN RECEPTOR GALR2 AND

TITLE OF INVENTION: NOCLEOTIDES ENCODING SAME

NUMBER OF SEQUENCES: 18

CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck & Co., Inc.

STREET: P. O. Box 2000, 126 E. Lincoln Ave.

CITY: Rahway

STATE: NJ

COUNTRY: USA

ZIP: 07065-0900

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows

SOFTWARE: FastSeq for Windows Version 2.0b

CURRENT APPLICATION DATA:

FILING DATE: 18-DEC-1997

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/033,851

FILING DATE: 27-DEC-1996

ATTORNEY/AGENT INFORMATION:

NAME: Heber, Sheldon O.

REGISTRATION NUMBER: 38,179

REFERENCE/DOCKET NUMBER: 19846NP2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-594-1958

TELEFAX: 732-594-4720

TELEX:

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 346 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-993-424B-3

Query Match 15.7%; Score 289; DB 2; Length 346;

Best Local Similarity 29.4%; Pred. No. 3,7e-18;

Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Db 42 VETTVLVLIFAVSLGNCALVVAR--RRGATACLVNFCADLLF-ISAIPVLVA 97

Db 34 ITLVFGLIFAMGVLGSLVITVLAASKPKRSTNLFILNISADLAVLFCIPQAT 93

Db 98 VRWTEAVLIGPVACHLLEFYWTLGSGVTITLAAVSLERWVCYHLDQGVGRARRAV 157

Db 94 VVALPTVNLGAFICKFHYFTVSMVLSITFLAAMSVDRAVAIVHSRS--SSLRVSRNA 151

Db 158 LIAL--IMGSAVAALPLCVFRRVVRPQRLPGADQESICTLIMPTIGELISMDVSFVTLN 215

Db 152 LLGAGFIMALSIMASPVAYV---QRLPHRDSNQFCWEHWNQHLKKAIVVCTFVFG 206

Db 216 FLVPGVLIIVSYSKILQITKASRKRLVSLAYSESHQIRVSQDFRLFRLLFLMVSFFI 275

Db 207 YLLPPLLICFCYAKVNLHKKLKNMSKK--SEASKKTAQ-----TVLVVVVVGFI 256

Db 276 MWSPIITLILILIONKODLVIMPSLFFWV---AFTFANSALNPILYNTL--CNEW 330

Db 257 SWLPHVHILMAEFGAP---LTPASFFRITAHCLAYSNSSVNPITIAFLSNFRKAY 312

QY 331 KKI FCC 336
Db 313 KOVFKC 318

RESULT 13

US-09-058-333A-5

Sequence 5, Application US/09058333A

Patent No. 6368812

GENERAL INFORMATION:

APPLICANT: Bard, Jonathan A

APPLICANT: Botowsky, Beth

TITLE OF INVENTION: DNA ENCODING GALANIN GALR3 RECEPTORS

TITLE OF INVENTION: AND USES THEREOF

NUMBER OF SEQUENCES: 65

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP

STREET: 1185 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/058,333A

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: White, John P

REGISTRATION NUMBER: 28,678

REFERENCE/DOCKET NUMBER: 52211-E/JPM/KDB

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212 391 0525

TELEFAX: 212 391 0525

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 346 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

US-09-058-333A-5

Query Match 15.7%; Score 289; DB 2; Length 346;

Best Local Similarity 29.4%; Pred. No. 3,7e-18;

Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Db 42 VETTVLVLIFAVSLGNCALVVAR--RRGATACLVNFCADLLF-ISAIPVLVA 97

Db 34 ITLVFGLIFAMGVLGSLVITVLAASKPKRSTNLFILNISADLAVLFCIPQAT 93

Db 98 VRWTEAVLIGPVACHLLEFYWTLGSGVTITLAAVSLERWVCYHLDQGVGRARRAV 157

Db 94 VVALPTVNLGAFICKFHYFTVSMVLSITFLAAMSVDRAVAIVHSRS--SSLRVSRNA 151

Db 158 LIAL--IMGSAVAALPLCVFRRVVRPQRLPGADQESICTLIMPTIGELISMDVSFVTLN 215

Db 152 LLGAGFIMALSIMASPVAYV---QRLPHRDSNQFCWEHWNQHLKKAIVVCTFVFG 206

Db 216 FLVPGVLIIVSYSKILQITKASRKRLVSLAYSESHQIRVSQDFRLFRLLFLMVSFFI 275

Db 207 YLLPPLLICFCYAKVNLHKKLKNMSKK--SEASKKTAQ-----TVLVVVVVGFI 256

Db 276 MWSPIITLILILIONKODLVIMPSLFFWV---AFTFANSALNPILYNTL--CNEW 330

Db 257 SWLPHVHILMAEFGAP---LTPASFFRITAHCLAYSNSSVNPITIAFLSNFRKAY 312

QY 331 KKI FCC 336

Db 313 KQVFKC 318

RESULT 14
US-09-595-549-6
Sequence 6, Application US/09555549
Patent No. 6511827
GENERAL INFORMATION:
APPLICANT: Howard, Andrew D.
APPLICANT: Caecili, Margaret A.
APPLICANT: Smith, Roy G.
APPLICANT: Sullivan, Kathleen A.
APPLICANT: Tan, Carina
APPLICANT: Van der Ploeg, Leonardus H. T.
APPLICANT: Lynch, Kevin R.
TITLE OF INVENTION: GALANIN RECEPTOR GALR3 AND NUCLEOTIDES
TITLE OF INVENTION: ENCODING SAME
FILE REFERENCE: 20148PCA
CURRENT APPLICATION NUMBER: US/09/595,549
PRIOR APPLICATION NUMBER: US98/26812
PRIOR FILING DATE: 1998-12-17
PRIOR APPLICATION NUMBER: 60/069,725
PRIOR FILING DATE: 1997-12-17
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 6
LENGTH: 346
TYPE: PRT
ORGANISM: rat
US-09-595-549-6

Query Match 15.7%; Score 289; DB 2; Length 346;
Best Local Similarity 29.4%; Pred. No. 3.7e-18;
Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

QY 42 VETTVLVIFAVSLGNVLCALVLR---RRGATACLVNLCADLLF-ISAIPVLA 97
DB 34 ITLVVFGILFAMGVGNSLVITVLARSKPKRSTTNLFITNLSIADLAVLFCIPFOAT 93
QY 98 VRWTEAMLGPVACHLLFYVNTLSGVTITLAAVSLERWVCIVHQRGVGRRARAV 157
DB 94 VYALPTVWLGAFICKFIHYFTVSMIVSIFTLAAMSVDRAIVHSR--SLRVSNA 151
QY 158 LLAAL--IWGSAVAALPLCVFRRVVPORLPGADOEISICTLIWPTTGEISMDVSFTLN 215
DB 152 LLGVGFTWALSIAAASPVAAV---QRLPHRDSNQFCWEHWPQLHKKAYVVCCTFVFG 206
QY 216 FLVGLVIVISYSKILQITKASRKRLTVSLAVSESHQIRVSGOQDFRLPRTLFILMVSPFI 275
DB 207 YLLPPLLICFCYAVLVNHLHKKLQMSKK--SEASKKTAQ-----TVLVVVVVGFI 256
QY 276 MMSPIIITILLILIONFKODLVIPSLFPVVV--AFPAASALNPILYNTL--CRNEW 330
DB 257 SWLPHVYIHLMAERGAFF---LTPASFPRITAHCLAYSSNVPIIYAFSLNFRKAY 312
QY 331 KKIIFCC 336
DB 313 KQVFKC 318

RESULT 15
US-09-603-680-3
Sequence 3, Application US/09603680
Patent No. 6544753
GENERAL INFORMATION:
APPLICANT: Tan, Carina
APPLICANT: Sullivan, Kathleen
TITLE OF INVENTION: GALANIN RECEPTOR GALR2 AND
NUCLEOTIDES ENCODING SAME
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000, 126 E. Lincoln Ave.
CITY: Rahway
STATE: NJ

COUNTRY: USA
ZIP: 07065-0900

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows

SOFTWARE: FastSeq for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/603,680

FILING DATE: 26-Jun-2000

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/033,851

FILING DATE: 27-DEC-1996

APPLICATION NUMBER: 08/993,088

FILING DATE: 18-DEC-1997

ATTORNEY/AGENT INFORMATION:

NAMS: Heber, Sheldon O.

REGISTRATION NUMBER: 38,179

REFERENCE/DOCKET NUMBER: 19846 CA

TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-594-1958

TELEFAX: 732-594-4720

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 346 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-09-603-680-3

Query Match 15.7%; Score 289; DB 2; Length 346;
Best Local Similarity 29.4%; Pred. No. 3.7e-18;
Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

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DB 34 ITLVVFGILFAMGVGNSLVITVLARSKPKRSTTNLFITNLSIADLAVLFCIPFOAT 93
QY 98 VRWTEAMLGPVACHLLFYVNTLSGVTITLAAVSLERWVCIVHQRGVGRRARAV 157
DB 94 VYALPTVWLGAFICKFIHYFTVSMIVSIFTLAAMSVDRAIVHSR--SLRVSNA 151
QY 158 LLAAL--IWGSAVAALPLCVFRRVVPORLPGADOEISICTLIWPTTGEISMDVSFTLN 215
DB 152 LLGVGFTWALSIAAASPVAAV---QRLPHRDSNQFCWEHWPQLHKKAYVVCCTFVFG 206
QY 216 FLVGLVIVISYSKILQITKASRKRLTVSLAVSESHQIRVSGOQDFRLPRTLFILMVSPFI 275
DB 207 YLLPPLLICFCYAVLVNHLHKKLQMSKK--SEASKKTAQ-----TVLVVVVVGFI 256
QY 276 MMSPIIITILLILIONFKODLVIPSLFPVVV--AFPAASALNPILYNTL--CRNEW 330
DB 257 SWLPHVYIHLMAERGAFF---LTPASFPRITAHCLAYSSNVPIIYAFSLNFRKAY 312
QY 331 KKIIFCC 336
DB 313 KQVFKC 318

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Job time : 27 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 9, 2005, 08:14:42 ; Search time 1496 Seconds
(without alignments)
9634.710 Million cell updates/sec

Title: US-10-077-698-2

Perfect score: 1743
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Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 9793542 seqs, 413468905 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA Main:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1743	100.0	1743	US-10-077-698-2	Sequence 2, Appli
3	1743	100.0	1743	US-10-171-027-2	Sequence 2, Appli
4	1743	100.0	1743	US-10-075-987-2	Sequence 2, Appli
5	1661.8	95.3	1737	US-10-225-567A-681	Sequence 681, App
6	1324.8	76.0	1400	US-11-060-756-1885	Sequence 185, App
7	1324.8	76.0	1400	US-11-060-756-6157	Sequence 6157, Ap
8	1292.2	74.1	1321	US-10-149-826-59	Sequence 59, Appli
9	1158.4	66.5	1160	US-10-015-498-1	Sequence 1, Appli
10	1086	62.3	1086	US-10-086-181-3	Sequence 3, Appli
11	1086	62.3	1086	US-10-083-168-11	Sequence 11, Appli
12	1084.4	62.2	1086	US-09-992-331-1	Sequence 1, Appli
13	1084.4	62.2	1086	US-10-083-168-78	Sequence 78, Appli
14	1084.4	62.2	1086	US-10-262-313-1	Sequence 1, Appli
15	1084.4	62.2	1086	US-10-768-878-1	Sequence 1, Appli
16	1082.8	62.1	1086	US-10-083-168-80	Sequence 80, Appli
17	1081.4	62.0	1800	US-10-505-486-134	Sequence 134, App
18	1079.6	61.9	1086	US-09-995-225-7	Sequence 7, Appli
19	1079.6	61.9	1086	US-09-995-225-7	Sequence 7, Appli
20	987	56.6	22059	US-10-719-993-6878	Sequence 6878, Ap
21	866.2	49.7	1560	US-10-086-181-4	Sequence 4, Appli
22	866.2	49.7	1560	US-10-077-698-5	Sequence 5, Appli
23	866.2	49.7	1560	US-10-077-698-5	Sequence 5, Appli

24	866.2	49.7	1560	US-10-171-027-5	Sequence 5, Appli
25	866.2	49.7	1560	US-10-075-987-5	Sequence 5, Appli
26	817.2	46.9	1086	US-10-086-181-6	Sequence 6, Appli
27	603.2	34.6	632	US-09-992-331-4	Sequence 4, Appli
28	603.2	34.6	632	US-10-262-313-4	Sequence 4, Appli
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31	595.4	34.2	1066	US-10-292-798-1465	Sequence 5, Appli
32	587	33.7	3173	US-10-116-252-5	Sequence 771, App
33	557.2	32.0	760	US-10-076-555-771	Sequence 771, App
34	557.2	32.0	760	US-10-779-543-771	Sequence 265, App
35	386.4	22.2	388	US-10-276-774-265	Sequence 10, Appli
36	369.4	21.2	1104	US-09-791-932-10	Sequence 1920, Ap
37	300	17.2	300	US-10-779-543-1920	Sequence 45, Appli
38	296.8	17.0	300	US-10-076-555-45	Sequence 45, Appli
39	296.8	17.0	300	US-10-779-543-45	Sequence 46, Appli
40	293.2	16.8	300	US-10-076-555-46	Sequence 33, Appli
41	293.2	16.8	300	US-10-779-543-46	Sequence 6862, Ap
42	276.8	15.9	426	US-09-791-932-33	Sequence 1678, Ap
43	243.6	14.0	546025	US-10-719-993-6862	Sequence 147795,
44	243	13.9	125534	US-10-087-192-1678	Sequence 147795,
45	241	13.8	758	US-10-027-632-147795	Sequence 147795,

ALIGNMENTS

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RESULT 1
US-10-086-181-1
; Sequence 1, Application US/10086181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; FILE REFERENCE: NMI-220
; CURRENT APPLICATION NUMBER: US/10/086,181
; PRIOR FILING DATE: 2002-02-26
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (44)...(1129)
US-10-086-181-1
Query Match 100.0%; Score 1743; DB 5; Length 1743;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1743; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TCCGACTAGTCTTCAAGCCGCTGGCGCCGCGGAGTTCCTGATGCGC 60
DB 1 TCCGACTAGTCTTCAAGCCGCTGGCGCCGCGGAGTTCCTGATGCGC 60
QY 61 GCGGCGACGCGGCGCGCCCTTGGCGAGCTGAGCAACCAACGACCCCTTTC 120
DB 61 GCGGCGACGCGGCGCGCCCTTGGCGAGCTGAGCAACCAACGACCCCTTTC 120
QY 121 CTTCTTCCGAGCTCAAGGCGACCAACGCGCTGCTGCGCGGTGAGCAACCGT 180
DB 121 CTTCTTCCGAGCTCAAGGCGACCAACGCGCTGCTGCGCGGTGAGCAACCGT 180
QY 181 GCTGCTCTATCTTTTCAAGTGTGCTGGGCAAGTGTGCGCCCTGCTGGTGGC 240
DB 181 GCTGCTCTATCTTTTCAAGTGTGCTGGGCAAGTGTGCGCCCTGCTGGTGGC 240
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DB 241 GCGCGACGACGCGCGCGGCGGAGTGCCTGTAACCTCTTTCGCGGACT 300
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Db 241 GCCCGCAGACGCGCGGCGAGCTGCTGCTGTACTCAACCTCTTCTGCGGCGACT 300
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Db 421 CTTACGCTGCGCGGCTGACCTGAGCGCATGCTGATGCTGATGCTGACCTGACGCGG 480
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QY 541 GGGGCTGCGCGCTGCTGCTCTGCTGCTCTTCTGAGTCTGCTGCGGACGCGCTCCCGG 600
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Db 601 CGCGGACGAGGAAATTTGATTTGACATGATTTGCGCCCACTTCCTGAGAGATCTC 660
QY 661 GTGGAGTCTCTTTGTTTCTTGAATCTTGTGTGCGAGAGTGTGATGATGATGATGAT 720
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QY 721 TTAATCCAAATTTTACATGATGACAAAGGATGAGAGGCTCAACGCTGAGCTGAGC 780
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QY 1741 CGG 1743
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RESULT 2
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; Sequence 2, Application US/10077698
; Publication No. US20030008350A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030008350A1 G-Protein Coupled Recept:
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/077, 698
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/261, 599
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107, 761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223, 538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
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; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-077-698-2

Query Match 100.0%; Score 1743; DB 5; Length 1743;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1743; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCCGAGTAACTTCTAGACCGCTGCGGCGCGCCAGCGCGGGAATGTCCTCTGAATCGC 60
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QY 841 CTTCCTCTCATGTGTCTCTTCTTATCATGTGAGCGCCCATCATCATCATCTCTCT 900
DB 841 CTTCCTCTCATGTGTCTCTTCTTATCATGTGAGCGCCCATCATCATCATCTCTCT 900
QY 901 CATCTGTATCCAGAACTTCAAGCAAGAGCTGTATCTGCGCTCTTCTTCTGCGT 960
DB 901 CATCTGTATCCAGAACTTCAAGCAAGAGCTGTATCTGCGCTCTTCTTCTGCGT 960
QY 961 GGTGGCTTCACTTTGCTATTTAGCCCTTAACCCCATCTCTTCAACATGACATGTG 1020
DB 961 GGTGGCTTCACTTTGCTATTTAGCCCTTAACCCCATCTCTTCAACATGACATGTG 1020
QY 1021 CAGGATGAGTGAAGAAATTTTGTGCTGCTTGTGCTTCCAGAAAAGGAGCATTTT 1080
DB 1021 CAGGATGAGTGAAGAAATTTTGTGCTGCTTGTGCTTCCAGAAAAGGAGCATTTT 1080
QY 1081 AACGACACATCTGTCAAAAGAAATGACTGTGATTAATTTCTGCTTAATTTTCTTAT 1140
DB 1081 AACGACACATCTGTCAAAAGAAATGACTGTGATTAATTTCTGCTTAATTTTCTTAT 1140
QY 1141 AGCGGAGTTTCTACACTGTGCGAGCTGTGCGATCTTTTAAACAGATTTTCCAGT 1200
DB 1141 AGCGGAGTTTCTACACTGTGCGAGCTGTGCGATCTTTTAAACAGATTTTCCAGT 1200
QY 1201 ACCCTCATCAGTCACTGCTCTTTTAAAGAAATGAACTATGCAATATGACATCAGC 1260
DB 1201 ACCCTCATCAGTCACTGCTCTTTTAAAGAAATGAACTATGCAATATGACATCAGC 1260
QY 1261 GTGGTAAATTAAGGGGTGATCAAGATTTCAATTAATTTTCCCTTTAATAAAGATT 1320
DB 1261 GTGGTAAATTAAGGGGTGATCAAGATTTCAATTAATTTTCCCTTTAATAAAGATT 1320
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QY 1321 GTGGCGAGGTCAGTGTGCTATGCTGTATCCAGACGTTTGGGAGCTGAGGTGGT 1380
DB 1321 GTGGCGAGGTCAGTGTGCTATGCTGTATCCAGACGTTTGGGAGCTGAGGTGGT 1380
QY 1381 GGATCAGCTGAGTCAAGAGTTCAGAGCAACCACTGACCAAGATGTGAGACCCCGCTC 1440
DB 1381 GGATCAGCTGAGTCAAGAGTTCAGAGCAACCACTGACCAAGATGTGAGACCCCGCTC 1440
QY 1441 TACTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1500
DB 1441 TACTTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1500
QY 1501 CTGGGAGGCTGAGACCGAGAAATCTTGAACCTGGGAGGACAGAGTTGAGAGGCG 1560
DB 1501 CTGGGAGGCTGAGACCGAGAAATCTTGAACCTGGGAGGACAGAGTTGAGAGGCG 1560
QY 1561 AGATGTCGCTGATCAGCTCAACGAGGCAACAAGAGTAACTCTTAAAAAAA 1620
DB 1561 AGATGTCGCTGATCAGCTCAACGAGGCAACAAGAGTAACTCTTAAAAAAA 1620
QY 1621 AAAAAAAGATTTGTATGCTTCTTTTAAATGTGAACCTTTTGTGTGTATA 1680
DB 1621 AAAAAAAGATTTGTATGCTTCTTTTAAATGTGAACCTTTTGTGTGTATA 1680
QY 1681 TGATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1740
DB 1681 TGATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1740
QY 1741 CGG 1743
DB 1741 CGG 1743
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RESULT 3

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US-10-171-027-2
; Sequence 2, Application US/10171027
; Publication No. US20030073168A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030073168A1 G-Protein Coupled Recept
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/10/171,027
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: 1999-12-08
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-171-027-2
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Query Match 100.0%; Score 1743; DB 5; Length 1743;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1743; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 TCCGAGTATGTTCTGAGCCGCTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 60
DB 1 TCCGAGTATGTTCTGAGCCGCTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 60
QY 61 GCGGCGAGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 120
DB 61 GCGGCGAGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 120
QY 121 CTTCCTTCTCGAGCTCAAGGCGCAACCGCGCTGTGTCTGCGCGCGCGGTGAGCAACCGT 180
DB 121 CTTCCTTCTCGAGCTCAAGGCGCAACCGCGCTGTGTCTGCGCGCGCGGTGAGCAACCGT 180
QY 181 GCTGTGTCTATCTTTGCAATGTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 240
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Db      181 GCTGGTGTCTATCTTTGSCATGTGCTGCTGGGCAAGTGTGGCCCTGTGTCGTGGC 240
Qy      241 GCGCCGACGAGCGCGCGCGGAGTGCCTGCTGCTGTACTCAACCTCTTTCGCCGAGCT 300
Db      241 GCGCCGACGAGCGCGCGCGGAGTGCCTGCTGCTGTACTCAACCTCTTTCGCCGAGCT 300
Qy      301 GCTCTTCATGAGGCTATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Db      301 GCTCTTCATGAGGCTATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Qy      361 GGGCCCCGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
Db      361 GGGCCCCGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
Qy      421 CTTCAAGCTGCGCGCGCTGAGCTGAGCGGATGCTGATGCTGATGCTGATGCTGATGCTG 480
Db      421 CTTCAAGCTGCGCGCGCTGAGCTGAGCGGATGCTGATGCTGATGCTGATGCTGATGCTG 480
Qy      481 CGTGGCGGGGCTGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 540
Db      481 CGTGGCGGGGCTGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 540
Qy      541 GGGGCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Db      541 GGGGCTGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
Qy      601 CGCGGACAGGAAATTTGCAATTTGCACTGATTTGGCCCACTTCTGGAAGATCTC 660
Db      601 CGCGGACAGGAAATTTGCAATTTGCACTGATTTGGCCCACTTCTGGAAGATCTC 660
Qy      661 GTGGGATGCTCTTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 720
Db      661 GTGGGATGCTCTTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 720
Qy      721 TTACTCCAAATTTTACAGATCAACAAGGATCAAGGAGGCTCAAGGTAAGCTGGC 780
Db      721 TTACTCCAAATTTTACAGATCAACAAGGATCAAGGAGGCTCAAGGTAAGCTGGC 780
Qy      781 CTACTCGAGAGGACCAAGATCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db      781 CTACTCGAGAGGACCAAGATCCCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Qy      841 CTTCTCTCTGATGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
Db      841 CTTCTCTCTGATGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
Qy      901 CATCTGATCCAGAACTTCAAGCAAGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
Db      901 CATCTGATCCAGAACTTCAAGCAAGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
Qy      961 GGTGGCTTCAATTTGCTAATTTGAGCCCTTAAACCCATCTCTCAACAATGACACGTG 1020
Db      961 GGTGGCTTCAATTTGCTAATTTGAGCCCTTAAACCCATCTCTCAACAATGACACGTG 1020
Qy      1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
Db      1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
Qy      1081 AACAGACATCTGTCAAAAGAAATGACTTGTGATTAATTTCTGCTAATTTTCTTAT 1140
Db      1081 AACAGACATCTGTCAAAAGAAATGACTTGTGATTAATTTCTGCTAATTTTCTTAT 1140
Qy      1141 AGCGGAGTTTCTCACTGCGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Db      1141 AGCGGAGTTTCTCACTGCGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Qy      1201 ACCCTCATGAGTGAAGGCTGCTTAAAGAAATGAACTATGAAATGAAATGAAATGAAAT 1260
Db      1201 ACCCTCATGAGTGAAGGCTGCTTAAAGAAATGAACTATGAAATGAAATGAAATGAAAT 1260
Qy      1261 GTGGTAAATTAAGGGTGAACCAAGTTTCAATTAATTTTCTGCTTAAAGGATTT 1320
Db      1261 GTGGTAAATTAAGGGTGAACCAAGTTTCAATTAATTTTCTGCTTAAAGGATTT 1320
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Db      1261 GTGGTAAATTAAGGGTGAACCAAGTTTCAATTAATTTTCTGCTTAAAGGATTT 1320
Qy      1321 GTTGGCAGGTGAGTGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
Db      1321 GTTGGCAGGTGAGTGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
Qy      1381 GGATCACTGAGGTGAGGATTCAGAACCAACTGACCAACATGATGAGACCCCGCTC 1440
Db      1381 GGATCACTGAGGTGAGGATTCAGAACCAACTGACCAACATGATGAGACCCCGCTC 1440
Qy      1441 TACTAAAAATAAAAAAATTTAGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1500
Db      1441 TACTAAAAATAAAAAAATTTAGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1500
Qy      1501 CTTGGAGGCTGAGACGAGGAAATCTTGAACCTGAGGAGGAGGAGGAGGAGGAGGAGG 1560
Db      1501 CTTGGAGGCTGAGACGAGGAAATCTTGAACCTGAGGAGGAGGAGGAGGAGGAGGAGG 1560
Qy      1561 AGATCGTGCATTCATCTCAACCAAGGCAACAAAGTGAATCTCAATCTTAAAAAAA 1620
Db      1561 AGATCGTGCATTCATCTCAACCAAGGCAACAAAGTGAATCTCAATCTTAAAAAAA 1620
Qy      1621 AAAAAAAGATTTGTTATGCTGCTTCTTAAATGTAATCTTTTGTGTGTGTGTGTGT 1680
Db      1621 AAAAAAAGATTTGTTATGCTGCTTCTTAAATGTAATCTTTTGTGTGTGTGTGTGT 1680
Qy      1681 TGAATCAATTTAATTAATTTAATTTAATTTAATTTAATTTAATTTAATTTAATTTAAT 1740
Db      1681 TGAATCAATTTAATTAATTTAATTTAATTTAATTTAATTTAATTTAATTTAATTTAAT 1740
Qy      1741 CGG 1743
Db      1741 CGG 1743
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RESULT 4
US-10-075-987-2
; Sequence 2, Application US/10075987
; Publication No. US2003016061A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 1423 Receptor, A No. US2003016061A1 G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/075,987
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: US/09/261,599B
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/223,538
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-075-987-2
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Query Match      100.0%; Score 1743; DB 6; Length 1743;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1743; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TCCGAGTAAATTTAGACGCTGCGGCGCGGAGGCGCGGGAATGTCCCTGAATGCGC 60
Db      1 TCCGAGTAAATTTAGACGCTGCGGCGCGGAGGCGCGGGAATGTCCCTGAATGCGC 60
Qy      61 GCGGCGAGCGGCGAGCGCGCTTTCGAGCTTGAAGCAAGCAACCGCACCGCTTTCC 120
Db      61 GCGGCGAGCGGCGAGCGCGCTTTCGAGCTTGAAGCAAGCAACCGCACCGCTTTCC 120
Qy      121 CTTCTTCTCGAGGTCAAGGCGAGCAACCGGCTGTGTCTGCGCGGCTTGAAGCAACCT 180
Db      121 CTTCTTCTCGAGGTCAAGGCGAGCAACCGGCTGTGTCTGCGCGGCTTGAAGCAACCT 180
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OY	181	GCTGGTGTCAATCTTTGCAAGTGTGCTGTGGGCAACGTGTGGCCCTGTGTGTGTGGC	240
OY	181	GCTGGTGTCAATCTTTGCAAGTGTGCTGTGGGCAACGTGTGGCCCTGTGTGTGTGGC	240
Db	181	GCTGGTGTCAATCTTTGCAAGTGTGCTGTGGGCAACGTGTGGCCCTGTGTGTGTGGC	240
OY	241	GGCGGAGACGACCGCGCGGCGACCTGCTGCTGTGACTCAACTCTTCTGCGCGGACCT	300
Db	241	GGCGGAGACGACCGCGCGGCGGACCTGCTGCTGTGACTCAACTCTTCTGCGCGGACCT	300
OY	301	GCTCTTCAATCAAGCGCTATTCCTCTGTGTGTGGCCGTGTGTGTGAATGAGGCTGTGCTCT	360
Db	301	GCTCTTCAATCAAGCGCTATTCCTCTGTGTGTGGCCGTGTGTGTGAATGAGGCTGTGCTCT	360
OY	361	GGGGCCCGGTGTGCTGCACTGTCTCTTCTAAGTGTATGACCCGTGACGGGACGCTACCAT	420
Db	361	GGGGCCCGGTGTGCTGCACTGTCTCTTCTAAGTGTATGACCCGTGACGGGACGCTACCAT	420
OY	421	CCTCAACGTGTGCGCGGCTCAGCCTGTGAGCGCATGTGTGTGATCTGTGACCTGTGACGCGG	480
Db	421	CCTCAACGTGTGCGCGGCTCAGCCTGTGAGCGCATGTGTGTGATCTGTGACCTGTGACGCGG	480
OY	481	CGTGTGGGAGTCTGTGGGCGGCGGGCGCGGACGTGTGCTGTGCGCTCATCTGTGGGCTATTTC	540
Db	481	CGTGTGGGAGTCTGTGGGCGGCGGGCGCGGACGTGTGCTGTGCGCGCTCATCTGTGGGCTATTTC	540
OY	541	GGCGGTGCCCGCTCTGTGCTCTCTCTGTGTGTCTTCTTGTGATGTGTGTGCGGCAACGGCTCTCCCGG	600
Db	541	GGCGGTGCCCGCTCTGTGCTCTCTCTGTGTGTCTTCTTGTGATGTGTGTGCGGCAACGGCTCTCCCGG	600
OY	601	CGCCGACGAGGAAATTTGATTTGTGACACTGTATTTGGGCGCACATCTCTGTGAGAGATCTC	660
Db	601	CGCCGACGAGGAAATTTGATTTGTGACACTGTATTTGGGCGCACATCTCTGTGAGAGATCTC	660
OY	661	GTGGAGTGTCTCTTTTGTATTCTTTGAACTTCTGTGTGCGAGAGCTGTCAATGTGTGATCAG	720
Db	661	GTGGAGTGTCTCTTTTGTATTCTTTGAACTTCTGTGTGCGAGAGCTGTCAATGTGTGATCAG	720
OY	721	TTACTCTCCAAATTTTACAGATCACAAAGGCATCAAGAAAGGCTCAAGGTAAAGCTGTGGC	780
Db	721	TTACTCTCCAAATTTTACAGATCACAAAGGCATCAAGAAAGGCTCAAGGTAAAGCTGTGGC	780
OY	781	CTACTCGGAGAGCCACGAGATCCGGGTGTCCAGAGAGACTTCCGGGCTCTTCCGACGCT	840
Db	781	CTACTCGGAGAGCCACGAGATCCGGGTGTCCAGAGAGACTTCCGGGCTCTTCCGACGCT	840
OY	841	CTTCTCTCTCATGTGTCTCTCTTCTTGTATGTGTGAGCCGCAATCATCATCACCATCTCTCT	900
Db	841	CTTCTCTCTCATGTGTCTCTCTTCTTGTATGTGTGAGCCGCAATCATCATCACCATCTCTCT	900
OY	901	CATCTGTATCCAGAACTTCAAGCAAGACCTGTGTATCTGGCCGTCTCTTCTTCTGTGGT	960
Db	901	CATCTGTATCCAGAACTTCAAGCAAGACCTGTGTATCTGGCCGTCTCTTCTTCTGTGGT	960
OY	961	GSTGGCCCTTCAATTTGTCTAATTTGACCCCTAAACCCCATCTCTTCAACATGTACACCTGTG	1020
Db	961	GSTGGCCCTTCAATTTGTCTAATTTGACCCCTAAACCCCATCTCTTCAACATGTACACCTGTG	1020
OY	1021	CAGGATGAGTGAAGAAATTTTGTGCTCTGTGTCTTCCAGAAAGGAGCCATTTT	1080
Db	1021	CAGGATGAGTGAAGAAATTTTGTGCTCTGTGTCTTCCAGAAAGGAGCCATTTT	1080
OY	1081	AACAGACATCTGTCAAAAGAAATGACTGTGTGATTAATTTCTGTGCTAATTTTCTTTAT	1140
Db	1081	AACAGACATCTGTCAAAAGAAATGACTGTGTGATTAATTTCTGTGCTAATTTTCTTTAT	1140
OY	1141	AGCGAGTTTCTCAACCTGTGGAGACTGTGGATCTTTTAAACGAACTTCAATTTCCAGT	1200
Db	1141	AGCGAGTTTCTCAACCTGTGGAGACTGTGGATCTTTTAAACGAACTTCAATTTCCAGT	1200
OY	1201	ACCCTCATCAGTGTGACCCCTGTTTAAAGAAATGAACCTATGACAAATGTACATCCACG	1260
Db	1201	ACCCTCATCAGTGTGACCCCTGTTTAAAGAAATGAACCTATGACAAATGTACATCCACG	1260
OY	1261	GTCGGTAATTAAGGGGTGATTCACCAAGTTTCAATATATTTTCCCTTATATAAAGATTT	1320

[illegible]

Db 121 CTTCTTCCGAGCTCAAGGGCGACACCGGCTGTGCTGCGCGGTGAGAACCGT 180
Qy 181 GCTGGGCTCATCTTTGCAAGTGTGCTGGGAAAGTGTGGCCCTGTGTGCTGGG 240
Db 181 GCTGGGCTCATCTTTGCAAGTGTGCTGGGAAAGTGTGGCCCTGTGTGCTGGG 240
Qy 241 GCGCGAGCAGACGCGCGGCGGAGCTGCTGCTGTGCTGCTGCTGCTGCTGCTG 300
Db 241 GCGCGAGCAGACGCGCGGCGGAGCTGCTGCTGTGCTGCTGCTGCTGCTGCTG 300
Qy 301 GCTTTCATGAGGCTATCTCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Db 301 GCTTTCATGAGGCTATCTCTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
Qy 361 GGGGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
Db 361 GGGGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
Qy 421 CTTACAGCTGAGCGCTGAGCGCTGAGCGCTGAGCGCTGAGCGCTGAGCGCG 480
Db 421 CTTACAGCTGAGCGCGGCTGAGCGCTGAGCGCTGAGCGCTGAGCGCGCGG 480
Qy 481 GGTGCGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Db 481 GGTGCGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Qy 541 GGGGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Db 541 GGGGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Qy 601 GCGCGAGCAGGAAATTTGCAATTTGCACTGATTTGCGCCACATCTCGAGAGATCTC 660
Db 601 GCGCGAGCAGGAAATTTGCAATTTGCACTGATTTGCGCCACATCTCGAGAGATCTC 660
Qy 661 GTGGAGTGTCTCTTTGTTACTTGAACCTTGTGTGCTGCTGCTGCTGCTGCTG 720
Db 661 GTGGAGTGTCTCTTTGTTACTTGAACCTTGTGTGCTGCTGCTGCTGCTGCTG 720
Qy 721 TTTACTCGAAATTTTAAAGATCAAGAGGATCAAGAGAGGCTCAACGCTGAGC 780
Db 721 TTTACTCGAAATTTTAAAGATCAAGAGGATCAAGAGAGGCTCAACGCTGAGC 780
Qy 781 CTTACTCGAGAGCAGCAGATCCGCTGTGCTGCTGCTGCTGCTGCTGCTGCTG 840
Db 781 CTTACTCGAGAGCAGCAGATCCGCTGTGCTGCTGCTGCTGCTGCTGCTGCTG 840
Qy 841 CTTCTCTCTCATGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
Db 841 CTTCTCTCTCATGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
Qy 901 CATCTGATCCAGAACTTCAAGCAAGACCTGCTGCTGCTGCTGCTGCTGCTGCT 960
Db 901 CATCTGATCCAGAACTTCAAGCAAGACCTGCTGCTGCTGCTGCTGCTGCTGCT 960
Qy 961 GGTGGGCTTCACTTTGCTAATGAGCCCTAAACCCCATCTCTCAACAATGACATGTG 1020
Db 961 GGTGGGCTTCACTTTGCTAATGAGCCCTAAACCCCATCTCTCAACAATGACATGTG 1020
Qy 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
Db 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
Qy 1081 AAGAGACATCTCTCAAAAGAAATGATTTGCTGCTGCTGCTGCTGCTGCTGCT 1140
Db 1081 AAGAGACATCTCTCAAAAGAAATGATTTGCTGCTGCTGCTGCTGCTGCTGCT 1140
Qy 1141 AGCGAGTTTCTCAACCTGCGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Db 1141 AGCGAGTTTCTCAACCTGCGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
Qy 1201 ACCCTTCATGAGTGAAGCTGCTTTTAAAGAAATGAACCTATGCAATGACATCAAGC 1260
Db 1201 ACCCTTCATGAGTGAAGCTGCTTTTAAAGAAATGAACCTATGCAATGACATCAAGC 1260
Qy 1260 ACCCTTCATGAGTGAAGCTGCTTTTAAAGAAATGAACCTATGCAATGACATCAAGC 1260
Db 1260 ACCCTTCATGAGTGAAGCTGCTTTTAAAGAAATGAACCTATGCAATGACATCAAGC 1260

Qy 1261 GTGCGTAAATTAAGGGGTGATCACAAGTTTCATTAATTTCCCTTATTAAGATTT 1320
Db 1260 GTGCGTAAATTAAGGGGTGATCACAAGTTTCATTAATTTCCCTTATTAAGATTT 1319
Qy 1321 GTTGGCCAGGTGAGTGTTCATGCTGTAATCCAGACATTTGGAGGCTGAGTGGT 1380
Db 1320 GTTGGCCAGGTGAGTGTTCATGCTGTAATCCAGACATTTGGAGGCTGAGTGGT 1376
Qy 1381 GATACCTGAGGTGAGTGTTCATGCTGTAATCCAGACATTTGGAGGCTGAGTGGT 1440
Db 1377 GATACCTGAGGTGAGTGTTCATGCTGTAATCCAGACATTTGGAGGCTGAGTGGT 1436
Qy 1441 TACTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1500
Db 1437 TACTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1496
Qy 1501 CTTGGAGGCTGAACGAGGAAATCTTTGAACCTGAGGAGCAGAGGTTGACGAGCCG 1560
Db 1497 CTTGGAGGCTGAACGAGGAAATCTTTGAACCTGAGGAGCAGAGGTTGACGAGCCG 1556
Qy 1561 AGATCGTCCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620
Db 1557 AGATCGTCCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1615
Qy 1621 AAAAAAAAAAGATTGATGAGGCTCTTTTAAATGTGAATTTTAAATGATGATTA 1680
Db 1616 AAAAAAAAAAGATTGATGAGGCTCTTTTAAATGTGAATTTTAAATGATGATTA 1674
Qy 1681 TGATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1740
Db 1675 TGATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1734
Qy 1741 CGG 1743
Db 1735 CGG 1737

RESULT 6
US-11-060-756-1885
; Sequence 1885, Application US/11060756
; Publication No. US20050221354A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug
; FILE REFERENCE: AM101083 (031896-042000)
; CURRENT APPLICATION NUMBER: US/11/060,756
; NUMBER OF SEQ ID NOS: 303284
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1885
; LENGTH: 1400
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-060-756-1885

Query Match 76.0%; Score 1324.8; DB 10; Length 1400;
Best Local Similarity 98.2%; Pred. No. 0;
Matches 1381; Conservative 1; Mismatches 18; Indels 6; Gaps 4;

Qy 338 CGCTGAGCTAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 397
Db 1 CGCTGAGCTAGAGGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
Qy 398 ACCCTGAGCGGAGCGTCAACATCTCTCAACGCTGCGCGGCTGACCTGAGCGCATGGT 457
Db 61 ACCCTGAGCGGAGCGTCAACATCTCTCAACGCTGCGCGGCTGACCTGAGCGCATGGT 120
Qy 458 TGATCGTGAACCTGCAAGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 517
Db 121 RGATCGRGAACCTGGAAGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180

OY	518	CTGGGCGCATCTGGGGGGCAATTCCGGCGGTGCAGCGCTCCTGGCTCTTGGCTCTTTTGGA	577
Db	181	CTGGGSCATCTGGGGCTATTTCGGGGGTCGGCGGCTCTGCCCTCTGGGGCTCTTTTGGA	240
OY	578	GTCGTCCCAGCAAACGGCTCCCCGGCGCCGACAGAGAAATTTTCATTTTGGACAACCTGATTTGG	637
Db	241	GTCGTCCCAGCAAACGGCTCCCCGGCGCCGACAGAGAAATTTTCATTTTGGACAACCTGATTTGG	300
OY	638	CCCAACATTTCCCTGGAGAGATCTCGTGGGATGTCCTCTTTTGTAATCTTTGAATCTTTGGTG	697
Db	301	CCCAACATTTCCCTGGAGAGATCTCGTGGGATGTCCTCTTTTGTAATCTTTGAATCTTTGGTG	360
OY	698	CCAGAGACTGGTCATTGTGATCAGTTACTCCAAAATTTTACAGATCACAAAGGCATCAAG	757
Db	351	CCAGAGACTGGTCATTGTGATCAGTTACTCCAAAATTTTACAGATCACAAAGGCATCAAG	420
OY	758	AAGAGCTCAACGGTAAGCTGGCCTAATTCGGAGAGCCAACAGATCCGCGTGTCCACAG	817
Db	421	AAGAGCTCAACGGTAAGCTGGCCTAATTCGGAGAGCCAACAGATCCGCGTGTCCACAG	480
OY	818	GACCTCCGGGCTTTCGGACCCCTCTCCCTCATAGTCTCCTTTTCATCATGTGAGAC	877
Db	481	GACCTCCGGGCTTTCGGACCCCTCTCCCTCATAGTCTCCTTTTCATCATGTGAGAC	540
OY	878	CCCATCATCATCAACCATCCTCCTCATCTGTATCCAGAACTTCAGCAAGACCTGGTCA TC	937
Db	541	CCCATCATCATCAACCATCCTCCTCATCTGTATCCAGAACTTCAGCAAGACCTGGTCA TC	600
OY	938	TGGCCGTCCTCTTCTTCTTGGGTGGTGGCCTTCAATTTGCTAATTCACCCCTAAACCC	997
Db	601	TGGCCGTCCTCTTCTTCTTGGGTGGTGGCCTTCAATTTGCTAATTCACCCCTAAACCC	660
OY	998	ATCCTCTAACATGATACACTGTGACAGAAATGATGGAAGAAAAATTTTTGCTGCTTCGG	1057
Db	661	ATCCTCTAACATGATACACTGTGACAGAAATGATGGAAGAAAAATTTTTGCTGCTTCGG	720
OY	1058	TTCCCAAGAAAAGGAGCCATTTTAAACAGACACATCTGTCAAAAGAAATGACTTGTGCAT T	1117
Db	721	TTCCCAAGAAAAGGAGCCATTTTAAACAGACACATCTGTCAAAAGAAATGACTTGTGCAT T	780
OY	1118	ATTTTGAGCTAATTTTTCTTTATBACGAGTTTCTCACACCTGGGAGACSTGTGCATGCT	1177
Db	781	ATTTTGAGCTAATTTTTCTTTATBACGAGTTTCTCACACCTGGGAGACSTGTGCATGCT	839
OY	1178	TTTAAACAGAGTTCAATTTCCAGTACCTTCATCACTAGTGCACCCCTGTTTAAAGAAATGAC	1237
Db	840	TTTAAACAGAGTTCAATTTCCAGTACCTTCATCACTAGTGCACCCCTGTTTAAAGAAATGAC	899
OY	1238	CTATGCAATAATGACATCCACAGCGTCGGTAATTTAAGGGGTGATCACCAAGTTTCATAT	1297
Db	900	CTATGCAATAATGACATCCACAGCGTCGGTAATTTAAGGGGTGATCACCAAGTTTCATAT	959
OY	1298	ATTTTCCCTTTATAAAGAATTTGTGTGACAGAGTCACTGGTTCATGCTGTAATCCAG	1357
Db	960	ATTTTCCCTTTATAAAGAATTTGTGTGACAGAGTCACTGGTTCATGCTGTAATCCAG	1019
OY	1358	CAGTTTGGAGAGCTGAGGTGGGTGATCACTGAGTCAGAGATTCGAGACCAACTGC	1417
Db	1020	CAGTTTGGAGAGCTGAGGTGGGTGATCACTGAGTCAGAGATTCGAGACCAACTGC	1076
OY	1418	CAACATGGTGAAGACCCCGCTCTCTACTATAAATAAAAAAAAAATTTAGCTGGAGTGTG	1477
Db	1077	CAACATGGTGAAGACCCCGCTCTCTACTATAAATAAAAAAAAAATTTAGCTGGAGTGTG	1136
OY	1478	GTGGGCACTGTATCTTAGTACTTTGGAGAGCTGAACAGAGAAATCTTTGAACCTGG	1537
Db	1137	GTGGGCACTGTATCTTAGTACTTTGGAGAGCTGAACCAAGAAATCTTTGAACCTGG	1196
OY	1538	GAGGAGAGGTTCGAGTGAAGCCGAGATGTCGCAATGCACTCCAAACAGGGCAACAAG	1597
Db	1197	GAGGAGAGGTTCGAGTGAAGCCGAGATGTCGCAATGCACTCCAAACAGGGCAACAAG	1256

QY	1598	GAACACTCCATCTTAA	AAAAAAAAAAAAAAAAAGATTGTATGGCTTCCTTTAAATGTGA	1657
DB	1257	TGAACCTCATCTT	AAAAAAAAAAAAAAAAAGATTGTATGGCTTCCTTTAAATGTGA	1315
QY	1658	ACTTTTATGCTGTTGTATATGATCAAA	TTTAAATTAATTAATTAATTAATGACTGTCA	1717
DB	1316	ACTTTTATGCTGTTGTAT	ATATGATCAAAATTAATTAATTAATTAATTAATGACTGTCA	1374
QY	1718	GC	AAAAAAAAAAAAAAAAAGGCGG	1743
DB	1375	GC	AAAAAAAAAAAAAAAAAGGCGG	1400
RESULT 7				
US-11-060-756-6157				
Sequence 6157, Application US/11060756				
Publication No. US2005021354A1				
GENERAL INFORMATION:				
APPLICANT: Wyeth				
APPLICANT: Mounts, William Martin				
TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug				
FILE REFERENCE: AM101083 (031896-042000)				
CURRENT APPLICATION NUMBER: US/11/060,756				
CURRENT FILING DATE: 2005-02-18				
NUMBER OF SEQ ID NOS: 303284				
SOFTWARE: PatentIn version 3.2				
SEQ ID NO 6157				
LENGTH: 1400				
TYPE: DNA				
ORGANISM: Homo sapiens				
US-11-060-756-6157				
Query Match				
Best Local Similarity 96.0%; Score 1324.8; DB 10; Length 1400;				
Matches 1381; Conservativeness 1; Mismatches 18; Indels 6; Gaps 4;				
QY	338	CGCTGACGTAGGCTGCTGGGCTGCTGGGCGCGGCTTGCCGACCTGCTCTTACGTGATG	397	
DB	1	CGCTGACGTAGGCTGCTGGGCTGCTGGGCGCGGCTTGCCGACCTGCTCTTACGTGATG	60	
QY	398	ACCCTGAGCGGACGCTACCATCTTCACGCTGGCGCGGCTGACCTGAGCGCATGCTG	457	
DB	61	ACCCTGAGCGGACGCTACCATCTTCACGCTGGCGCGGCTGACCTGAGCGCATGCTG	120	
QY	458	TGCATCTGTCACCTGTCACGCGGCGGCTGCGGGGCTCTGCGCGGCGGCGCGGCGATGCTG	517	
DB	121	RGCATCTGTCACCTGTCACGCGGCGGCTGCGGGGCTCTCTCCGCGGCGGCGCGGCGATGCTG	180	
QY	518	CTGGCGGCTACCTGCTGGGCTATTTGGGGGCTGCGCGGCTGCTGCTGCTGCGCTCTTCCG	577	
DB	181	CTGGCGGCTACCTGCTGGGCTATTTGGGGGCTGCGCGGCTGCTGCTGCTGCGCTCTTCCG	240	
QY	578	GTCGCTCCCGCAACGGCTGCCCGGCGCGGACGAGGAAATTTGCATTTGGCACTGATTTGG	637	
DB	241	GTCGCTCCCGCAACGGCTGCCCGGCGCGGACGAGGAAATTTGCATTTGGCACTGATTTGG	300	
QY	638	CCGACCATCTCTGAGAGATCTGCTGGGATGCTCTTTGTATCTTTGAACTTCTTGCTG	697	
DB	301	CCGACCATCTCTCTGAGAGATCTGCTGGGATGCTCTTTGTATCTTTGAACTTCTTGCTG	360	
QY	698	CCAGGACCTGGCTATTTGATCAGTTACTCCAAATTTTACAGTCCCAAAAGCATGAAG	757	
DB	361	CCAGGACCTGGCTATTTGATCAGTTACTCCAAATTTTACAGTCCCAAAAGCATGAAG	420	
QY	758	AAGAGGCTCAACGTTAAGCTTGGCTTACTGAGAGGACCAAGATCCGCTGTTCCAGAG	817	
DB	421	AAGAGGCTCAACGTTAAGCTTGGCTTACTGAGAGGACCAAGATCCGCTGTTCCAGAG	480	
QY	818	GACTTTCGGGCTTTCGCGACCTCTTCTCTCTCTATAGTCTCTTCTTCAATCATGTGAGC	877	
DB	481	GACTTTCGGGCTTTCGCGACCTCTTCTCTCTCTATAGTCTCTTCTTCAATCATGTGAGC	540	

Oy	878	CCCATCAATGACACCATCTCCTCTAATCCTGATTCAGAACTTCAAGCAAAGCTGGGTATC	937
Db	541	CCCATCAATGACACCATCTCTCTCAACTGTGAATCCAGAACTTCAAGCAAAGCTGGGTATC	600
Oy	938	TGGCGCTGCCCTCTCTCTGGGTTGGTGAGCTTTCACATTGTCTAAATTGACGCTTAACCCC	997
Db	601	TGGCGCTGCCCTCTCTCTGGGTTGGTCCCTTTCACATTGTCTAAATTGACGCTTAACCCC	660
Oy	998	ATCTCTTACAACTGCACCTGTGCAGGAAATGATGTGAAGAAAATTTTTTGTGCTTCTCG	1057
Db	661	ATCTCTTACAACTGCACCTGTGCAGGAAATGATGTGAAGAAAATTTTTTGTGCTTCTCG	720
Oy	1058	TTCCCAAGAAAAAGGAGCATTTTAAACAACAATCTGTCAAAAGAAAATGACTTGTGATT	1117
Db	721	TTCCCAAGAAAAAGGAGCATTTTAAACAACAATCTGTCAAAAGAAAATGACTTGTGATT	780
Oy	1118	ATTTCTGGCTAATTTTTCTTTAAAGCCGAGTTTCTCACACTGTGGCAGCTGTGCATGCT	1177
Db	781	ATTTCTGGCTAAT- TTTTCTTTAAAGCCGAGTTTCTCACACTGTGGCAGCTGTGCATGCT	839
Oy	1178	TTTAAACGAGATCACTTCCAGTACCCTCCATCATAGTGCACCTGCTTTAAAGAAATGAC	1237
Db	840	TTTAAACGAGATCACTTCCAGTACCCTCCATCATAGTGCACCTGCTTTAAAGAAATGAC	899
Oy	1238	CTATGCAATATGACATCCACAGCGCTGGTAAATTAAAGGGTGATCACCAAGTTTCATPAT	1297
Db	900	CTATGCAATATGACATCCACAGCGCTGGTAAATTAAAGGGTGATCACCAAGTTTCATPAT	959
Oy	1298	ATTTTCCCTTTATAAAGAATTTGTGTGGCCAGGTGCAGTGGTCTTAGTCTTAATCCAG	1357
Db	960	ATTTTCCCTTTATAAAGAATTTGTGTGGCCAGGTGCAGTGGTCTTAGTCTTAATCCAG	1019
Oy	1358	CAGTTTGGAGAGCTGAGGTGGGTGATACCTGAGGTGAGAGATTCCAGAACCAACTGAC	1417
Db	1020	CAGTTTGG--- GGCTGAGGTGGGTGATACCTGAGGTGAGAGATTCCAGAACCAACTGAC	1076
Oy	1418	CAACATGGTGAGACCCCCGCTCTCTACTAATAAATAAAAAAAAAAATTAGCTGGGAGTGTG	1477
Db	1077	CAACATGGTGAGACCCCCGCTCTCTACTAATAAATAAAAAAAAAAATTAGCTGGGAGTGTG	1136
Oy	1478	GTTGGGCACTGTAAATCCTAGCTACTTTGGGAGGCTGAACCAAGAGAAATCTTGAACCTGG	1537
Db	1137	GTTGGGCACTGTAAATCCTAGCTACTTTGGGAGGCTGAACCAAGAGAAATCTTGAACCTGG	1196
Oy	1538	GAGGCAGAGGTTGCAGTGAGCCGAGATCGTGCATTGCACTCCAACAGGCAACAAG	1597
Db	1197	GAGGCAGAGGTTGCAGTGAGCCGAGATCGTGCATTGCACTCCAACAGGCAACAAG	1256
Oy	1598	TGAAACTCCATCTTTAAAAAATTTTTGTTATAGGTTCTCTTTAAATGTGA	1657
Db	1257	TGAAACTCCATCTT- AAAAAAATTTTTGTTATAGGTTCTCTTTAAATGTGA	1315
Oy	1658	ACTTTTTAGTGTGTGTGAATATGATCAAAATTTAATAATTTAATTAATGACTGTCA	1717
Db	1316	ACTTTTTAGTGTGTGTGT- AATATATCAAAATTTAATAATTTAATTAATGACTGTCA	1374
Oy	1718	GCAAAAAAAAAAAAAAAAAAGGCGG	1743
Db	1375	GCAAAAAAAAAAAAAAAAAAGGCGG	1400

RESULT 8
US-10-149-826-59
Sequence 59, Application US/10149826
Publication No. US20040224314A1
GENERAL INFORMATION:
APPLICANT: INCYTE GENOMICS, INC.
APPLICANT: BUREFORD, Neil
APPLICANT: BAUGHN, Mariah R.
APPLICANT: AU-YOUNG, Janice
APPLICANT: YANG, Unming
APPLICANT: LU, Dying Aina M.
APPLICANT: REDDY, Roopa

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; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: PI-0001 PCT
; CURRENT APPLICATION NUMBER: US/10/149, 826
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/172,862; 60/171,733; 60/176,148; 60/177,331
; PRIOR FILING DATE: 1999-12-10; 1999-12-22; 2000-01-14; 2000-01-21
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 59
; LENGTH: 1321
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 5029478CB1
US-10-149-826-59

Query Match          74.1%; Score 1292.2; DB 8; Length 1321;
Best Local Similarity 99.6%; Pred. No. 3,7e-308;
Matches 1316; Conservative 0; Mismatches 3; Indels 2; Gaps 2;

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Query Match	Similarity	74.1% 99.6%	Score 1292.2	DB 8	Length 1321
Best Local	Similarity	99.6%	Pred. No. 3,76-308		
Matches 1316	Conservative	0	Mismatches 3	Indels 2	Gaps 2
QY	15	AGACCGCTGCGGCGCGGACGCGCGGAAATGTCCTCCGTGATGCGCGCGGACGCGGCG	74		
DB	2	AGACCGCTGCGGCGCGGACGCGCGGAAATGTCCTCCGTGATGCGCGCGGACGCGGCG	60		
QY	75	ACGCGCCCTTGGCGGAGCTTGAGCAAGCCAAACCGCACCCGCTTTCCTTCTTCCGACG	134		
DB	61	ACGCGCCCTTGGCGGAGCTTGAGCAAGCCAAACCGCACCCGCTTTCCTTCTTCCGACG	120		
QY	135	TCAAGGGGCAACACCGGCTGGTGTGGCGCGGAGGAGACAAACCGTCTGGTGTCTACT	194		
DB	121	TCAAGGGGCAACACCGGCTGGTGTGGCGCGGAGGAGACAAACCGTCTGGTGTCTACT	180		
QY	195	TTGCAAGTGTGCTGCTGGGCAACGATGTGCGCCCTGTGTCTGTGTGGCGCGCGGACGCGC	254		
DB	181	TTGCAAGTGTGCTGCTGGGCAACGATGTGCGCCCTGTGTCTGTGTGGCGCGCGGACGCGC	240		
QY	255	GCGGCGGCACTGCTGCTGCTGGTACTCAACCTTCTTGTGGGAGCTCTCTTATATCAGCG	314		
DB	241	GCGGCGGCACTGCTGCTGCTGGTACTCAACCTTCTTGTGGGAGCTCTCTTATATCAGCG	300		
QY	315	CTATCCCTCTGTGTCTGGCGGTGCGCTGAGACTGAGGCTGGCTGGTGGCCGCTTGGCT	374		
DB	301	CTATCCCTCTGTGTCTGGCGGTGCGCTGAGACTGAGGCTGGCTGGTGGCCGCTTGGCT	360		
QY	375	GCCACTGTCTTCTTACGTGATGACCCCTGAGCGGACGAGCTCACCATCTTACGCTTGGCG	434		
DB	361	GCCACTGTCTTCTTACGTGATGACCCCTGAGCGGACGAGCTCACCATCTTACGCTTGGCG	420		
QY	435	CGGTACGCTTGAGACCGCATTGTGTGACATCGTGACCTGCAAGCGGGCGGTGGGGGTCTGT	494		
DB	421	CGGTACGCTTGAGACCGCATTGTGTGACATCGTGACCTGCAAGCGGGCGGTGGGGGTCTGT	480		
QY	495	GCGGCGGCGCGCGGACGAGTGTGTGGCGCTCATCTGGGAGCTATTTGGCGGTGCGCTC	554		
DB	481	GCGGCGGCGCGCGGACGAGTGTGTGGCGCTCATCTGGGAGCTATTTGGCGGTGCGCTC	540		
QY	555	TGCTCTGTGCTTCTTTCGAGTGTGCCGCAACGGCTCTCCCGGCGCGGACCAAGGAA	614		
DB	541	TGCTCTGTGCTTCTTTCGAGTGTGCCGCAACGGCTCTCCCGGCGCGGACCAAGGAA	600		
QY	615	TTTGATTTTGGACACTGATTTTGGCCACCATCTCCGAGAGATCTCGTGGGATGTCTT	674		
DB	601	TTTGATTTTGGACACTGATTTTGGCCACCATCTCCGAGAGATCTCGTGGGATGTCTT	660		
QY	675	TTGTACTTTGAACCTTCTTGGTGTGCGAGACTGTGATTTGTGATGATAGTTACTCCAAATTT	734		
DB	661	TTGTACTTTGAACCTTCTTGGTGTGCGAGACTGTGATTTGTGATGATAGTTACTCCAAATTT	720		
QY	735	TACAGATCAAAAGGCATCAAGAAAGGCTTCAAGTAAAGCTTGGCTTACTTGGAGAGCC	794		
DB	721	TACAGATCAAAAGGCATCAAGAAAGGCTTCAAGTAAAGCTTGGCTTACTTGGAGAGCC	780		

Qy 795 ACCAGATCCGCGTGTCCAGAGAGACTTCCGGCTCTTCGAGACCCCTCTTCCTCCATG 854
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|
|
Db 781 ACCAGATCCGCGTGTCCAGAGAGACTTCCGGCTCTTCGAGACCCCTCTTCCTCCATG 840
|
|
|
Qy 855 TCTCTTCTTCAATCATGTGAGAGCCCATCATCATGACCATCTCTCTCATCTCATGATCAGA 914
|
|
|
Db 841 TCTCTTCTTCAATCATGTGAGAGCCCATCATCATGACCATCTCTCTCATCTCATGATCAGA 900
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|
|
Qy 915 ACTTCAACAGAGACTGTGATCTGTGGCGGTCCCTCTTCTTCTGGGTGGTGGCTTCACAT 974
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|
|
Db 901 ACTTCAACAGAGACTGTGATCTGTGGCGGTCCCTCTTCTTCTGGGTGGTGGCTTCACAT 960
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|
|
Qy 975 TTGCTAATTCAGCCCTTAACCCCATCTCTACACATGACACTGAGAGAGATGAGTGA 1034
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|
|
Db 961 TTGCTAATTCAGCCCTTAACCCCATCTCTACACATGACACTGAGAGATGAGTGA 1020
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|
|
Qy 1035 AGAAAATTTTGTGCTGTCTGTGTTCCAGAAAAGGAGCCATTTTAACAGACATCTG 1094
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|
|
Db 1021 AGAAAATTTTGTGCTGTCTGTGTTCCAGAAAAGGAGCCATTTTAACAGACATCTG 1080
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|
|
Qy 1095 TCAAAAAGAAATGACTGTGATTAATTTTCTGGCTAATTTTCTTATAGCCGATTTCTCA 1154
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|
|
Db 1081 TCAAAAAGAAATGACTGTGATTAATTTTCTGGCTAATTTTCTTATAGCAGAGTTTCTCA 1140
|
|
|
Qy 1155 CACCTGGGAGCTGTGGCATGCTTTAAACAGAGTTCAATTCAGTACCTCCATCACTG- 1213
|
|
|
Db 1141 CACCTGGGAGCTGTGGCATGCTTTAAACAGAGTTCAATTCAGTACCTCCATCACTG 1200
|
|
|
Qy 1214 GCACCTGTCTTTAAGAAAATGAACTATGCAATAGACATCCAGCGTCCGTAAATTA 1273
|
|
|
Db 1201 GCACCTGTCTTTAAGAAAATGAACTATGCAATAGACATCCAGCGTCCGTAAATTA 1260
|
|
|
Qy 1274 GGGGTGATCACCAGTTTCATTAATTTTCCCTTTATATAAGATTTTGGCCAGGTGC 1333
|
|
|
Db 1261 GGGGTGATCACCAGTTTCATTAATTTTCCCTTTATATAAGATTTTGGCCAGGTGC 1320
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|
|
Qy 1334 A 1334
|
|
|
Db 1321 A 1321

RESULT 9
US-10-015-498-1
; Sequence 1, Application US/10015498
; Publication No. US20020151705A1
; GENERAL INFORMATION:
; APPLICANT: Smith, Kelli E.
; APPLICANT: Quan, Yong
; TITLE OF INVENTION: DNA Encoding Orphan SNORF49 Receptor
; FILE REFERENCE: 60134
; CURRENT APPLICATION NUMBER: US/10/015,498
; CURRENT FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: US/09/412,933
; PRIOR FILING DATE: 1999-10-05
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 1
; LENGTH: 1160
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-015-498-1

Query Match 66.5%; Score 1158.4; DB 5; Length 1160;
Best Local Similarity 99.9%; Pred. No. 3.7e-275;
Matches 1159; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 17 ACCGCTGGGCGCGCAGGCGCGGGAATGCCCTGAATGCGGCGGCGAGCGGCGGAC 76
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|
Db 1 ACCGCTGGGCGCGCAGGCGCGGGAATGCCCTGAATGCGGCGGCGAGCGGCGGAC 60
|
|
|
Qy 77 GCGCCCTTGGCGCAGCTGAGCAAGCAAGCAAGCGACCGCTTCTCTCGAGCTC 136
|
|
|
Db 61 GCGCCCTTGGCGCAGCTGAGCAAGCAAGCAAGCGACCGCTTCTCTCGAGCTC 120

Qy 137 AAGGCGACCAACCGGCTGTGTCTGGCGCGGCTGAGAGACACCGTGTGTCTATCTTT 196
|
|
|
Db 121 AAGGCGACCAACCGGCTGTGTCTGGCGCGGCTGAGAGACACCGTGTGTCTATCTTT 180
|
|
|
Qy 197 GCAAGTGTGTGTGGGCAAGTGTGGGCGCGTGTGTGTGGGCGGCGGAGAGCGCG 256
|
|
|
Db 181 GCAAGTGTGTGTGGGCAAGTGTGGGCGCGTGTGTGTGGGCGGCGGAGAGCGCG 240
|
|
|
Qy 257 GCGCGAGCTGT 316
|
|
|
Db 241 GCGCGAGCTGT 300
|
|
|
Qy 317 ATCCCTGT 376
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|
|
Db 301 ATCCCTGT 360
|
|
|
Qy 377 CACCTGTCTTCTAAGTATGACCTGTAGGCGGAGCGTACATCTTCAGCTGGCGCG 436
|
|
|
Db 361 CACCTGTCTTCTAAGTATGACCTGTAGGCGGAGCGTACATCTTCAGCTGGCGCG 420
|
|
|
Qy 437 GTCAAGCTGTAGCCGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 496
|
|
|
Db 421 GTCAAGCTGTAGCCGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 480
|
|
|
Qy 497 CCGCGGCGCGGCGAGT 556
|
|
|
Db 481 CCGCGGCGCGGCGAGT 540
|
|
|
Qy 557 CCTCTGTGTGTCTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 616
|
|
|
Db 541 CCTCTGTGTGTCTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 600
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|
|
Qy 617 TCGATTTGCACTGATTTTGGCCCAACATTCCTGTGAGAGATCTGTGGATGTCTTTT 676
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|
|
Db 601 TCGATTTGCACTGATTTTGGCCCAACATTCCTGTGAGAGATCTGTGGATGTCTTTT 660
|
|
|
Qy 677 GTTACTTTGAACCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 736
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|
|
Db 661 GTTACTTTGAACCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 720
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|
|
Qy 737 CAGATCAAAAGGATCAAGGAAGGCTCAAGGTAAGCTGTGTGTGTGTGTGTGTGTGTGT 796
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|
|
Db 721 CAGATCAAAAGGATCAAGGAAGGCTCAAGGTAAGCTGTGTGTGTGTGTGTGTGTGTGT 780
|
|
|
Qy 797 CAGATCCGCGGTGTCCAGAGAGACTTCGGCTCTTCGCAACCCCTTCTCTCATGTGTC 856
|
|
|
Db 781 CAGATCCGCGGTGTCCAGAGAGACTTCGGCTCTTCGCAACCCCTTCTCTCATGTGTC 840
|
|
|
Qy 857 TCTTCTTTCATCATGTGTGAGCCCATCATCATCACTCTCTCATCTGTATCAGAAC 916
|
|
|
Db 841 TCTTCTTTCATCATGTGTGAGCCCATCATCATCACTCTCTCATCTGTATCAGAAC 900
|
|
|
Qy 917 TTCAAGCAAGCCGT 976
|
|
|
Db 901 TTCAAGCAAGCCGT 960
|
|
|
Qy 977 GCTAATTCAGCCCTTAAACCCCATCTCTTACACATGACACTGTGTGAGAGATGATGAG 1036
|
|
|
Db 961 GCTAATTCAGCCCTTAAACCCCATCTCTTACACATGACACTGTGTGAGAGATGATGAG 1020
|
|
|
Qy 1037 AAAATTTTGT 1096
|
|
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Db 1021 AAAATTTTGT 1080
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Qy 1097 AAAAGAAATGACTGT 1156
|
|
|
Db 1081 AAAAGAAATGACTGT 1140
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|
Qy 1157 CTTGGCGAGCTGT 1176
|
|
|
Db 1141 CTTGGCGAGCTGT 1160

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RESULT 10
US-10-086-181-3
; Sequence 3, Application US/10086181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; TITLE OF INVENTION: DISORDERS, INCLUDING OBESITY AND DIABETES
; FILE REFERENCE: MMI-220
; CURRENT APPLICATION NUMBER: US/10/086,181
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-086-181-3

Query Match      62.3%; Score 1086; DB 5; Length 1086;
Best Local Similarity 100.0%; Pred. No. 2.7e-257;
Matches 1086; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Query Match	Similarity	52.3%	Score 1086:	DB 5:	Length 1086:
Best Local	Similarity	100.0%	Pred. No. 2.7e-257:		
Matches 1086:	Conservative	0:	Mismatches 257:	Indels 0:	Gaps 0:
QY	44	ATGTCCCTGAAATGAGCGCGGAGCAACGGGAGCGAGCCCTTGCGCAGCCTGAGCAACC	103		
Db	1	ATGTCCCTGAAATGAGCGCGGAGCAACGGGAGCGAGCCCTTGCGCAGCCTGAGCAACC	60		
QY	104	AACGCAACCCGCTTTCCTTCTTCTCCGAGCTCAAGGGCGACACCGGCTGGTGGCC	163		
Db	61	AACCCACACCCGCTTTCCTTCTTCTCCACGTCAGGGGCGACACCGGCTGGTGGCC	120		
QY	154	GCGGTGGAGACAACCGCTGGTGTCACTTTTGAAGTGTGCTGCTGGGAAAGTGGC	223		
Db	121	GCGGTGGAGACAACCGCTGGTGTCACTTTTGAAGTGTGCTGCTGGGAAACCTGGC	180		
QY	224	GCCCTGGATGCTGATGGGCGCGGACGAGCGCGCGGCGGACCTGCGCTGGTACTCAAC	283		
Db	181	GCCCTGGATGCTGATGGGCGCGGACGAGCGCGCGGCGGACCTGCGCTGGTACTCAAC	240		
QY	284	CTTTCTGCGCGGACCTGCTTTTCATCAGCGCTATCCCTTGGTGTGAGCTGGCGGTGG	343		
Db	241	CTTTCTGCGCGGACCTGCTTTTCATCAGCGCTATCCCTTGGTGTGAGCTGGCGGTGG	300		
QY	344	ACTAGAGCCTGGCTGCTGGGCCCCGGTGTGCTGCCACCTGCTTTTACATGTATGACCTTG	403		
Db	301	ACTAGAGCCTGGCTGCTGGGCCCCGGTGTGCTGCCACCTGCTTTTACATGTATGACCTTG	360		
QY	404	AGCGGAGCGTCAACCATCTTCACGCTGGGCGGGGTCAGGCTTGGACGCAATGGTGTGATC	463		
Db	361	AGCGGAGCGTCAACCATCTTCACGCTGGGCGGGGTCAGGCTTGGACGCAATGGTGTGATC	420		
QY	464	GTGCACTTGCACGCGCGCGCTGCGGGGTCTTGGGCGGCGGGGCGCGGGCAATGCTGCTGCG	523		
Db	421	GTGCACTTGCACGCGCGCGCGCTGCGGGGTCTTGGGCGGCGGGGCGCGGGCAATGCTGCTGCG	480		
QY	524	CTCATCTGGGGCTATTCCGCGGCTGCGCGCTCTGCTCTCTGTGGTCTTCTTTCGAGTGGTC	583		
Db	481	CTCATCTGGGGCTATTCCGCGGCTGCGCGCTCTGCTCTCTGTGGTCTTCTTTCGAGTGGTC	540		
QY	584	CCGCAACGGCTCCCGGGCGCGGACGAGGAAATTTGATTTGGACCTGATTTGGGCCACC	643		
Db	541	CCGCAACGGCTCCCGGGCGCGGACGAGGAAATTTGATTTGGACCTGATTTGGGCCACC	600		
QY	644	ATTCTTGAAGAGATCTCGTGGGATGTCTCTTTTGTACTTTGAATCTTCTTGTGTCAGAGA	703		
Db	601	ATTCTTGAAGAGATCTCGTGGGATGTCTCTTTTGTACTTTGAATCTTCTTGTGTCAGAGA	660		
QY	704	CTGTGTATTTGTATCATGTTACTTCCAAATTTTACAGATACAAAGGCATCAAGAAAGG	763		
Db	661	CTGTGTATTTGTATCATGTTACTTCCAAATTTTACAGATACAAAGGCATCAAGAAAGG	720		

QY	764	CTCAGGGTAAAGCCCTGGCCTACTGTGGAGAGCCACAGATCCGCGTGTCCAGACAGACTTC	823
Db	721	CTCAGGGTAAAGCCCTGGCCTACTGTGGAGAGCCACAGATCCGCGTGTCCAGACAGACTTC	780
QY	824	CGGCTCTTCCGCAACCCCTCTTCTCTCTCATGATGATCTCTTCTTCAATCATGTGAGAGCCCATC	883
Db	781	CGGCTCTTCCGCAACCCCTCTTCTCTCTCATGATGATGATCTCTTCTTCAATCATGTGAGAGCCCATC	840
QY	884	ATCATCAACCATCTCTCTCATCTGTATCCAGAACTTCAAGCAAGACTGTGTATCTGTGCCG	943
Db	841	ATCATCAACCATCTCTCTCATCTGTATCCAGAACTTCAAGCAAGACTGTGTATCTGTGCCG	900
QY	944	TCCCTCTTCTTCTGGGTGGTGGCCCTTCAAACTTGTCTAATTCAAGCCCTAAACCCCATCTC	1003
Db	901	TCCCTCTTCTTCTGGGTGGTGGCCCTTCAAACTTGTCTAATTCAAGCCCTAAACCCCATCTC	960
QY	1004	TACAACATGACACTGTGTACAGAAATGAATGAGAAATTTTGTGTCTCTTCTGTGTCCCA	1063
Db	961	TACAACATGACACTGTGTACAGAAATGAATGAGAAATTTTGTGTCTCTTCTGTGTCCCA	1020
QY	1064	GAAAGGAGAGCCATTTTAAACAGACACATCTGTCAAAAGAAATGACTTGTGATTAATTTCT	1123
Db	1021	GAAAGGAGAGCCATTTTAAACAGACACATCTGTCAAAAGAAATGACTTGTGATTAATTTCT	1080
QY	1124	GGCTTAA 1129	
Db	1081	GGCTTAA 1086	

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RESULT 11
US-10-083-168-11
; Sequence 11, Application US/10083168
; Publication No. US20030023069A1
; GENERAL INFORMATION:
; APPLICANT: Liaw, Chen W.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Behan, Dominic P.
; APPLICANT: Maciejewski-Jenior, Dominique
; APPLICANT: Leonard, James N.
; APPLICANT: Ortuno, Daniel
; APPLICANT: Lin, I-Lin
; TITLE OF INVENTION: Endogenous And No. US20030023069A1-Endogenous, Constitutively Ac
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0320
; CURRENT APPLICATION NUMBER: US/10/083,168
; CURRENT FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-083-168-11

Query Match          62.3%; Score 1086; DB 5; Length 1086;
Beet Local Similarity 100.0%; Pred. No. 2,7e-257;
Matches 1086; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

44 ATGTCCCTGATGCGCGCGGCGACGCGGCCCTTTCGCGAGCTTGAGCAAGCC 103
1 ATGTCCCTGATGCGCGCGGCGACGCGGCCCTTTCGCGAGCTTGAGCAAGCC 60

104 AACCGCACCCGCTTTCCTTCTTCTCCGACGTCGACGCGACCAACCGGCTGTGTGCGC 163
61 AACCGCACCCGCTTTCCTTCTTCTCCGACGTCGACGCGACCAACCGGCTGTGTGCGC 120

164 GCGGTGAGAGACAACCGCTGCTGCTCATCTTTGAGAGTGTGCTGCTGCGGCAACGTGTGC 223
121 GCGGTGAGAGACAACCGCTGCTGCTCATCTTTGAGAGTGTGCTGCTGCGGCAACGTGTGC 180

224 GCGGTGCTGTGTGTGCGCGCGCGACGACGCGCGCGCGCTGCTGCTGTACTCAAC 283

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Db 181 GCCCTGATGCTGCTGCGCGCCGAGACGCCGCGGCGAGCTGCTGCTGCTACTCAAC 240
Oy 284 CTCTCTGCGGGAGACTGCTCTTCAATGAGCGCTATCCCTGCTGCTGCTGCTGCTGCTG 343
Db 241 CTCTCTGCGGGAGACTGCTCTTCAATGAGCGCTATCCCTGCTGCTGCTGCTGCTGCTG 300
Oy 344 ACTGAGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 403
Db 301 ACTGAGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
Oy 404 AGCGGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 463
Db 361 AGCGGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
Oy 464 GTGACCTGACGCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 523
Db 421 GTGACCTGACGCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
Oy 524 CTGATCTGAGGCTATTCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 583
Db 481 CTGATCTGAGGCTATTCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Oy 584 CCGCAACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 643
Db 541 CCGCAACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Oy 644 ATTCTGAGAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 703
Db 601 ATTCTGAGAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 660
Oy 704 CTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 763
Db 661 CTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 720
Oy 764 CTGACGCTGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 823
Db 721 CTGACGCTGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
Oy 824 CCGCTCTTCCGCAACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 883
Db 781 CCGCTCTTCCGCAACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 840
Oy 884 ATCATCAACATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 943
Db 841 ATCATCAACATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
Oy 944 TCCCTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1003
Db 901 TCCCTCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 960
Oy 1004 TACCAATGACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1063
Db 961 TACCAATGACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
Oy 1064 GAAAAAGGAGCATTTTAACAGACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1123
Db 1021 GAAAAAGGAGCATTTTAACAGACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
Oy 1124 GGCTAA 1129
Db 1081 GGCTAA 1086

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RESULT 12
US-09-992-331-1
; Sequence 1, Application US/09992331
; Publication No. US20030022186A1
; GENERAL INFORMATION:
; APPLICANT: FEDER, JOHN N.
; APPLICANT: MINTIER, GABE
; APPLICANT: RAMANATHAN, CHANDRA S.
; APPLICANT: HAWKEN, DONALD R.
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY18,

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; TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA
; FILE OF INVENTION: CELLS
; CURRENT APPLICATION NUMBER: US/09/992,331
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/308,540
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: 60/261,782
; PRIOR FILING DATE: 2001-01-15
; PRIOR APPLICATION NUMBER: 60/248,483
; PRIOR FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-992-331-1

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Query Match 62.2% Score 1084.4; DB 3; Length 1086;
Best Local Similarity 99.9%; Pred. No. 6.6e-257;
Matches 1085; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Oy 44 ATGTCCTCTGATGCGCGCGGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 103
Db 1 ATGTCCTCTGATGCGCGCGGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 60
Oy 104 AACCGACCGCGCTTCTTCTTCTGCGAGCTCAAGGCGACACCGCGCTGCTGCTGCTG 163
Db 61 AACCGACCGCGCTTCTTCTTCTGCGAGCTCAAGGCGACACCGCGCTGCTGCTGCTG 120
Oy 164 GCGGTGAGAGAACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 223
Db 121 GCGGTGAGAGAACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
Oy 224 GCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 283
Db 181 GCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
Oy 284 CTCTTCTGCGGAGCTGCTTCTTCTTCTGCGAGCTCAAGGCGCTGCTGCTGCTGCTGCTG 343
Db 241 CTCTTCTGCGGAGCTGCTTCTTCTTCTGCGAGCTCAAGGCGCTGCTGCTGCTGCTGCTG 300
Oy 344 ACTGAGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 403
Db 301 ACTGAGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
Oy 404 AGCGGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 463
Db 361 AGCGGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
Oy 464 GTGACCTGACGCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 523
Db 421 GTGACCTGACGCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
Oy 524 CTGATCTGAGGCTATTCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 583
Db 481 CTGATCTGAGGCTATTCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Oy 584 CCGCAACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 643
Db 541 CCGCAACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
Oy 644 ATTCTGAGAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 703
Db 601 ATTCTGAGAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 660
Oy 704 CTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 763
Db 661 CTGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 720
Oy 764 CTGACGCTGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 823

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 9, 2005, 08:17:41 ; Search time 215 Seconds
(without alignments)
3030.831 Million cell updates/sec

Title: US-10-077-698-2

Perfect score: 1743

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Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3392430 seqs, 186927314 residues

Total number of hits satisfying chosen parameters: 6784860

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	369.4	21.2	1104	US-10-980-388-10
2	276.8	15.9	426	US-10-980-388-33
3	237.8	13.6	162085	US-11-121-086-7
4	236.4	13.6	182314	US-11-112-908-45
5	235.2	13.5	215308	US-11-121-086-77
6	231.6	13.3	155989	US-11-121-086-57
7	230	13.2	340000	US-11-102-978-3
8	228.2	13.1	156735	US-11-121-086-93
9	227.4	13.0	171486	US-11-121-086-105
10	226.6	13.0	160213	US-11-121-086-103
11	226.6	13.0	179777	US-11-121-086-106
12	226.6	13.0	189993	US-11-121-086-78
13	226.6	12.9	120697	US-11-121-086-48
14	225.2	12.9	114801	US-11-121-086-22
15	224.2	12.9	38703	US-11-052-544-28
16	224	12.9	175416	US-11-121-086-43
17	223.6	12.8	187745	US-11-121-086-83
18	223.6	12.8	179666	US-11-121-086-67
19	223.8	12.8	155989	US-11-121-086-57
20	222.2	12.7	155515	US-11-112-908-42
21	222.2	12.7	159660	US-11-112-908-41
22	222.2	12.7	177623	US-11-112-908-41
23	222	12.7	180654	US-11-121-086-58

24	222	12.7	190892	US-11-121-086-69	Sequence 69, Appl
25	221.8	12.7	161994	US-11-112-908-57	Sequence 57, Appl
26	221.6	12.7	138821	US-11-121-086-80	Sequence 80, Appl
27	221.6	12.7	150450	US-11-112-908-54	Sequence 54, Appl
28	221.6	12.7	191343	US-11-112-908-53	Sequence 53, Appl
29	221.4	12.7	163162	US-11-121-086-66	Sequence 66, Appl
30	220.8	12.7	200628	US-11-112-908-62	Sequence 62, Appl
31	220.2	12.6	173115	US-11-112-908-65	Sequence 65, Appl
32	220.2	12.6	198200	US-11-121-086-9	Sequence 9, Appl
33	220.2	12.6	246960	US-11-121-086-6	Sequence 8, Appl
34	220	12.6	63984	US-11-121-086-26	Sequence 26, Appl
35	219.8	12.6	169047	US-11-121-086-15	Sequence 15, Appl
36	219.8	12.6	179892	US-11-112-908-39	Sequence 39, Appl
37	219.6	12.6	150481	US-11-112-908-37	Sequence 37, Appl
38	219.6	12.6	177162	US-11-112-908-38	Sequence 38, Appl
39	219.4	12.6	120096	US-11-121-086-24	Sequence 24, Appl
40	219	12.6	153142	US-11-121-086-27	Sequence 27, Appl
41	219	12.6	160213	US-11-121-086-103	Sequence 103, App
42	219	12.6	178877	US-11-121-086-17	Sequence 17, Appl
43	218.8	12.6	180654	US-11-121-086-58	Sequence 58, Appl
44	218.6	12.5	79528	US-10-276-223A-6	Sequence 6, Appl
45	218.2	12.5	48763	US-10-663-794-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-10-980-388-10
Sequence 10, Application US/10980388
Publication No. US20050255490A1
GENERAL INFORMATION:
APPLICANT: Vogeli, Gabriel
APPLICANT: Parodi, Luis A.
APPLICANT: Hiebsch, Ronald R.
APPLICANT: Lind, Peter
APPLICANT: Kaytes, Paul S.
APPLICANT: Huff, Valerie
APPLICANT: Huff, Rita M.
APPLICANT: Wood, Linda S.
TITLE OF INVENTION: Novel G protein-Coupled Receptors Cross-Reference To Related App
FILE REFERENCE: 00325, US1
CURRENT APPLICATION NUMBER: US/10/980,388
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/791,932
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/184,305
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,304
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,303
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,397
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,247
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/188,880
PRIOR FILING DATE: 2000-03-13
PRIOR APPLICATION NUMBER: 60/217,369
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/217,370
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/218,492
PRIOR FILING DATE: 2000-07-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 184
SOFTWARE: PatentIn version 3.0
SEQ ID NO 10
LENGTH: 1104
TYPE: DNA
ORGANISM: Homo sapiens
US-10-980-388-10

	Query Match	Similarity	21.2%	Score 369.4	DB 6	Length 1104	
	Best Local	Similarity	99.5%	Pred. No.	1.9e-67		
	Matches	381	Conservative	0	Mismatches	1	Gaps 1
QY	229	GGTGTGTTGAGCGGCACGACGCGCGGCCGACTGTCCTTGATTAACAACCTCTT				288	
Db	9	GGTGTGTTGAGCGGCCG-CGACGCCGCGCGCGCACTGTCCTTGATTAACAACCTCTT				67	
QY	289	CTGGGGGGAACCTGCTCTTCAATAGAAGGCTAATCCCTCTGTGTCGTGGCCGCGCTGGAACCTA				348	
Db	68	CTGGCGGAACTGCTCTTCAATAGAAGGCTAATCCCTCTGTGTCGTGGCCGCGCTGGAACCTA				127	
QY	349	GGCCTGAGCTGTTGGGCCCCGGTGTGCTGCACACTGCTCTTCAAGTAGATAACCCTGAGCGG				408	
Db	128	GGCCTGAGCTGTTGGGCCCCGGTGTGCTGCACACTGCTCTTCAAGTAGATAACCCTGAGCGG				187	
QY	409	CAGCGTACCAATCTCTACGCTTGCGCGGCTCAGCCTTGAGCGCATAGTGTGATGTGCA				468	
Db	188	CAGCGTACCAATCTCTACGCTTGCGCGGCTCAGCCTTGAGCGCCATAGTGTGATGTGCA				247	
QY	469	CCTCAGAGGGGCGGCGGGGCTCTGGGGGAGGGGCGGGGAGTAGTGTGCGCGCTCAT				528	
Db	248	CCTCAGAGGGGCGGCGGGGCTCTGGGGGAGGGGCGGGGAGTAGTGTGCGCGCTCAT				307	
QY	529	CTGGGAGCTATTTCGGCGGATCGCGGCTCTGTGCTCTTCTTTCAGATGCTCCGCA				588	
Db	308	CTGGGAGCTATTTCGGCGGATCGCGGCTCTGTGCTCTTCTTTCAGATGCTCCGCA				367	
QY	589	ACGGCTCCCGCGGCGCGAACAG 611					
Db	368	ACGGCTCCCGCGGCGCGAACAG 390					

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1 RESULT 2
2 US-10-980-388-33
3
4 / Sequence 33, Application US/10980388
5 / Publication No. US20050255490A1
6 / GENERAL INFORMATION:
7 / APPLICANT: Vogel, Gabriel
8 / APPLICANT: Parodi, Luis A.
9 / APPLICANT: Hiebsch, Ronald R.
10 / APPLICANT: Lind, Peter
11 / APPLICANT: Kaytee, Paul S.
12 / APPLICANT: Ruff, Valerie
13 / APPLICANT: Huff, Rita M.
14 / APPLICANT: Wood, Linda S.
15
16 TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related Appl
17
18 FILE REFERENCE: 00325, US1
19
20 CURRENT APPLICATION NUMBER: US/10/980,388
21
22 CURRENT FILING DATE: 2004-11-02
23
24 PRIOR APPLICATION NUMBER: US/09/791,932
25
26 PRIOR FILING DATE: 2001-02-23
27
28 PRIOR APPLICATION NUMBER: 60/184,305
29
30 PRIOR FILING DATE: 2000-02-23
31
32 PRIOR APPLICATION NUMBER: 60/184,304
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34 PRIOR FILING DATE: 2000-02-23
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36 PRIOR APPLICATION NUMBER: 60/184,303
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38 PRIOR FILING DATE: 2000-02-23
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40 PRIOR APPLICATION NUMBER: 60/184,397
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42 PRIOR FILING DATE: 2000-02-23
43
44 PRIOR APPLICATION NUMBER: 60/184,247
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46 PRIOR FILING DATE: 2000-02-23
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48 PRIOR APPLICATION NUMBER: 60/188,880
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50 PRIOR FILING DATE: 2000-03-13
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52 PRIOR APPLICATION NUMBER: 60/217,369
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54 PRIOR FILING DATE: 2000-07-11
55
56 PRIOR APPLICATION NUMBER: 60/217,370
57
58 PRIOR FILING DATE: 2000-07-11
59
60 PRIOR APPLICATION NUMBER: 60/218,492
61
62 PRIOR FILING DATE: 2000-07-20
63
64 Remaining Prior Application data removed - See File Wrapper or PALM.
65
66 NUMBER OF SEQ ID NOS: 184
67
68 SOFTWARE: PatentIn version 3.0

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; SEQ ID NO 33
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-980-388-33

Query Match      15.9%; Score 276.8; DB 6; Length 426;
Best Local Similarity 97.6%; Pred. No. 1,7e-48;
Matches 281; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      732  TTTTACGATCACAAAGGCATCAAGAGAGGCTCAAGGGTAAAGCTTGCTACTCCGAGA 791
Db      139  TTCCACGATCACAAAGGCATCAAGAGAGGCTCAAGTAAAGCTTGCTACTCCGAGA 198

QY      792  GCCACGATCCGGGTGTCCAGAGACATTTCCGGCTTTCCGACCCCTTTCCTCTCA 851
Db      199  GCCACGATCCGGGTGTCCAGAGACATTTCCGGCTTTCCGACCCCTTTCCTCTCA 258

QY      852  TTGGCTCCTCTTCATCATGTGGAGGCCCATCATCATCACCATCTCTCATCTGATCC 911
Db      259  TTGGCTCCTCTTCATCATGTGGAGGCCCATCATCATCATCATCTCTCTAATCTGTATCC 318

QY      912  AGAAGCTCAAGCAAGACCTGATCATCTGGAGCGTACCTCTTCTTGAGGTGGAGCTTCA 971
Db      319  AGAAGCTCAAGCAAGACCTGATCATCTGGAGCGTACCTCTTCTTGAGGTGGAGCTTCA 378

QY      972  CATTTCCTAATTCAGCCCTAAACCCCATCTCTTCAACAATGACACTGT 1019
Db      379  CATTTCCTAATTCAGCCCTAAACCCCATCTCTTCAACAATGACACTGT 426

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RESULT 3
US-11-121-086-7/c
; Sequence 7, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121, 086
; PRIOR FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 7
; LENGTH: 162085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-7

Query Match      13.6%; Score 237.8; DB 7; Length 162085;
Best Local Similarity 84.1%; Pred. No. 1.5e-39;
Matches 280; Conservative 0; Mismatches 52; Indels 1; Gaps 1;

QY      1296 ATATTTTCCTTTATAAAGATTTGTGTGGCCAGGTCAGGTGTCATGCTGTATCC 1355
Db      10654 ATTTTTCCTTTTAAAAAATACTGATGAGGAGTGATGTCCTGTATCTCC 105959

QY      1356 AGCAGTTTGGAGAGCTGAGGTGGGTGATCACTGAGTCCAGGAGTTCCAGACCAACTG 1415
Db      10594 AGCATTGTGGAGACCGAGGCACTGGATCACCAGAGTTCAGAGATTCAGACCAAGGCTG 105359

QY      1416 ACCAACATGCTGAGACCCCGTCTTACTTAATAAATAAATAAATAAATTNGCTGGAGTGG 1475
Db      10534 ACCAACATAGTGA-AACTCCGCTCTTAATAAATAAATAAATAAATAAATTNGCCAGGCTGG 104767

QY      1476 TGGTGGGCACTGTAAATCTAGTACTTGGGAGGCTGAACCAAGAAATCTCTTGAACCT 1535
Db      10475 TGGGAGGCGCTGTAAATCCAGCTTACGAGAGGCTGAACCAAGAAATCGCTTGAACCC 104166

QY      1536 GGGAGGCAAGGTTGACAGTACGACCGAGATCGTCCACTTGCACCTCCAAACGAGGCAACAG 1595

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Qy	1418	CAACATGTAGTACAGCCCGCTCTCTCTAAAAATATAAAAAATTAATAGTCGGAGTGGTG	1477
Db	38103	CAACATATGTGA-AAACCCCGCTCTACTAAAAAATATAAAAATTAATAGTCGGAGTGGTG	38045
Qy	1478	GTGGGCACCTGTAAATCTCTAGCTACTTTGGAGAGCTGAAACGAGAAATCTTTGAACCTGG	1537
Db	38044	GCGGTTGCTGTATATCCAGAGTAACTAGAGAGGCTGAGGCGAGAGAAATCGTTGAACCTAA	37985
Qy	1538	GAGCGAGAGTTGCAGTGAAGCCGAGATCGTGGCACTTGCACCTCAACCGAGGCAACAAG	1597
Db	37984	GAGCGGAGAGTTGCAGTGAAGCCGAGATCAATGCATTCGACGCTGGGCAACAAGAG	37925
Qy	1598	TGAAACTCCATCTTAAAAAATAAAAAAGATTTGTTATGGGTT	1643
Db	37924	TGAATCTCGTCTCAAAAAAAGAGTAATCTCCCTTAAACGGGAT	37879

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RESULT 7
US-11-102-978-3/c
Sequence 3, Application US/11102978
Publication No. US20050230142A1
GENERAL INFORMATION:
APPLICANT: University of Utah Technology Transfer Office
APPLICANT: University of Utah Research Foundation
TITLE OF INVENTION: Diagnosis and Treatment of Herpes Simplex Virus Disease
FILE REFERENCE: 0274-5537.1US
CURRENT APPLICATION NUMBER: US/11/102,978
CURRENT FILING DATE: 2005-04-11
PRIOR APPLICATION NUMBER: PCT/US2003/033152
PRIOR FILING DATE: 2003-10-18
PRIOR APPLICATION NUMBER: 60/419,576
PRIOR FILING DATE: 2002-10-18
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patencin version 3.2
SEQ ID NO 3
LENGTH: 340000
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: exon
LOCATION: (56948)..(57115)
OTHER INFORMATION: C21orf34 exon
FEATURE:
NAME/KEY: misc feature
LOCATION: (80006)..(81089)
OTHER INFORMATION: Gene VDAC2P; voltage-dependent anion channel isoform 2 pseudogene
FEATURE:
NAME/KEY: exon
LOCATION: (167308)..(167438)
OTHER INFORMATION: C21orf34 exon
FEATURE:
NAME/KEY: exon
LOCATION: (216732)..(216833)
OTHER INFORMATION: C21orf34 exon
US-11-102-978-3

```

Query Match	13.2%	Score 230	DB 7	Length 340000
Beet Local Similarity	84.2%	Pred. No. 8.1e-38		
Matches 211	Conservative 0	Mismatches 50	Indels 1	Gaps 1
QY	1309	ATAAAAGATTTGTGGCCAGGTGCAGTGGTTCACTCTGTATATCCAGCAGTTTGGAG	1368	
DB	188286	ATATTAGAAATTGGAGCGCGGGGTGTAGCTCAGCCTGTATCCAGACCTTTGGAG	188227	
QY	1369	GCTGAGGTGGGTGGATCACCTGAGTGCAGAGTTTGAAGACCACTGACCAATGCTGA	1428	
DB	188226	GCGGAGTGTGGGGATCATCTGTGAGTCCAGAGTTTCAAGACCAAGCTGACCAATGAGAG	188167	
QY	1429	GAACCCCGTCTACTACAAAATTTAAAAAAATTTAGCTGGAGTGGTGGGCACCTG	1488	
DB	188166	-AACCCCGTCTACTACAAAATTTAAAAAAATTTAGCCCGGATGGTGGCGATGCTCTG	188108	

Qy	1489	TAAATCTTGTACTCTTTGGGAGGCTGAACCAAGAGAAATCTTTAACCCTGGAGGACAAGGT	1548
Dd	188107	TAAATCCAGCTAATTCTTGGAAGGCTGGACAGAGAATTTGTTTAACCTTGGAAAGTGAAGGT	188048
Qy	1549	TGCAGTAGCGCAGATTCGTCGTCATTCGCACTCCAACCCAGGCAACAAGAGTGAATCTCCAT	1608
Dd	188047	TGCAGTAGCTGAGATCATTCGCATTGCACCTCCAGCCTGGGCACACAGACCAAATTCCTG	187988
Qy	1609	CTAAAAAATAAAAAAAAAAGCA	1630
Dd	187987	CTCAAAAAAAAAAAAAAAAAAAA	187966

```

RESULT 8
US-11-121-086-93/c
; Sequence 93, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138, 6000-00000
; CURRENT APPLICATION NUMBER: US/11/121, 086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567, 570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 93
; LENGTH: 156735
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-93

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Query Match Similarity 13.1%; Score 229.2; DB 7; Length 156735;
Beet Local Similarity 83.4%; Pred. No. 9e-38;
Matches 272; Conservative 0; Mismatches 53; Indels 1; Gaps 1;

QY 1305 CTTTATAAAGATTGTGTGGCCAGAGTGCAGGTTCATGCTGTAACTCCAGCACTTGG 1364
DB 108339 CATTAAAAAAAAAAATTTGGCCAGGCACTGTGGCTCATGCTGTAACTCCAGCACTTGG 108340
QY 1365 GGAGGCTAGAGTGGGTGATCACTGAGGTCAAGAGTTGCAAGCCAACTGACCAACATG 1424
DB 108339 GGATGCCAAAGCAGGTGATCACTCGAGGTCCGGAGTTGGAACCAAGCCTGCACAAACATG 108280
QY 1425 GTGNAACCCCGTCTCTACTATAAATTAATAAAAAAAAAAATTAGCTGGGAGTGGTGGGCA 1484
DB 108279 GAGA-AACCCGTCTCTACTATAAATAAAAAAAAAAATTAAGCCGGCAGTGTGCACATT 108221
QY 1485 CCTGTAACTCTAGACTTGTGGAGGCTGNAACGAGGAACTCTTGAACTTGGAGGACAG 1544
DB 108220 CCTGTAACTCCAGCTACTCAGAAAGCTGAGGACGAGGAACTTGAACCTTGGGAAGGACG 108161
QY 1545 AGGTTGCAGTGAGCCGAGATCGTCCATTGCACCTCCAAACGAGGCAACAAGTGAACCT 1604
DB 108160 AGGTTGCAGTGAGCCAAAGATTGTGCCATTGCACTCCAGCCTGGAACAAGCAAAACT 108101
QY 1605 CCATCTAAAAAAAAAAAAAAAAA 1630
DB 108100 CCATCTCAAAAAAAAAAAAAAAAA 108075

RESULT 9
US-11-121-086-105
; Sequence 105, Application US/11121086
; Publication No. US2005026459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KRISTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138, 6000-0000
; CURRENT APPLICATION NUMBER: US/11/121,086

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```

1  CURRENT FILING DATE: 2005-05-04
2  PRIOR APPLICATION NUMBER: 60/567,570
3  PRIOR FILING DATE: 2004-05-04
4  NUMBER OF SEQ ID NOS: 107
5  SOFTWARE: PatentIn version 3.3
6  SEQ ID NO 105
7  LENGTH: 171486
8  TYPE: DNA
9  ORGANISM: Homo sapiens
10 US-11-121-086-105

```

Query Match	13.0%	Score	227.4	DB	7	Length	171486
Best Local Similarity	81.6%	Pred. No.	2.2e-37				
Matches	288	Conservative	0	Mismatches	61	Indels	4
						Gaps	2

QY	1286	AAAGTTTCATATAATTTTCCCTTTATTAATAAAGATTTGTTGGCCAGGTCAGTGGTTATATCG	1345
Db	86434	AAATTTACAAAATATATAATATCACTTTAAGATATCCATCTTCGGCCGGGGCGGTGGCTATATCG	86493
QY	1346	CTGTAAATCCAGCAGCTTTGGGAGGCTAGGTGGGTGGATCACTGAGAGTCAGAGATTTCGA	1405
Db	86494	CTGTAAATCTAAGCACTTTGGGAGGCCCAAGGGGGGTGGATTGCTTGAGGTCAGAGATTTCGA	86555
QY	1406	GACCAACCTGACCAACAATGCTGAGACCCCGTCTCTACTAAATAATAAAAAAATTAAG	1465
Db	86554	GACCAACCTGGCCAACTATGTGA-MACCCGGTCTCTACTGAAAAT---ATMAAAATTTAG	86605
QY	1466	CTGGGAGTGTGTGTGGGCACCTGTAAATCTTGAAGTCTTGGGAGGCTGAAACAGAGAAATC	1525
Db	86610	CTGGGCAATGTGTGTGGGCGCCTGTAAATCCAGCTACTAGGAGGCTGAGGCAAGAGAAATC	86666
QY	1526	TCTTTGAACCTTGGGAGGCAAGGTTGACGTAGACCGAGATGTGTCCATTGGCATCTCCAAACA	1585
Db	86670	GCTTTGAACCCAGGAGGGGAGGTTGACGTAGACCCGAGATTGTGCCCACTGCATCCCAAGCCT	86728
QY	1586	GGGCAACAAGAGTGAATCTCCATCTTAAAAAATAAAAAATTAATTTGTTAT	1638
Db	86730	GGGCAACAAGAGTGAATCTCCGTCTCAAAAAAATAAAAAATCACTGTTTCAT	86782

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RESULT 10
US-11-121-086-103/c
/ Sequence 103, Application US/11121086
/ Publication No. US20050266459a1
/ GENERAL INFORMATION:
/ APPLICANT: POULSEN, TIM S.
/ APPLICANT: NIELSEN, KIRSTEN V.
/ TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
/ FILE REFERENCE: 09138, 6000-00000
/ CURRENT APPLICATION NUMBER: US/11/121, 086
/ CURRENT FILING DATE: 2005-05-04
/ PRIOR APPLICATION NUMBER: 60/567,570
/ PRIOR FILING DATE: 2004-05-04
/ NUMBER OF SEQ ID NOS: 107
/ SOFTWARE: Patentin version 3.3
/ SEQ ID NO 103
/ LENGTH: 160213
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-11-121-086-103

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	Query Match	13.0% Best Local Similarity	Score 226.61 Pred. No. 3.1e-37	Length 160213 DB: 7
	Matches 280;	Conservative 0;	Mismatches 54;	Indels 11; Gaps 1;
QY	1298	ATTTCCCTTATTAAGATTTGTTGCGAGCGTGCAGTGTTCATGACCTGTAAATCCCG	1357	
DB	39085	ATTGTGCATCTTAGAATGGAAGATGAAGGCCAAGCATGTGTGCTCATGTCCTGTAAATCCCG	39022	
QY	1358	CAGTTGGAGAGCTGAGCTGGGTGGATCACTTGAAGGTTCAGAGATTCCAGACCAACTGCAC	1417	
DB	39025	CACTTTGGAGAGCTGAGAGCGGTGGATCACTTGAAGGTTCAGAGATTCCAGACCAACTGCAC	38966	

Oy	1418	CAACATGTGTAGACCCCGGCTCTACTAAAAATAAAAA-----AAAAATTTAGC	1466
Db	38965	CAACATGTGTAAAAACCCGTCCTCACTAAAAAAGCAAAAAATTAGC	38906
Oy	1467	TGGAGTGTGTGTGTGGGCACTGTAACTCTAGCTATTGGGAGGCTGACAGAGAAATCT	1526
Db	38905	TGGGCGTGTGTGTGGGCACTGTAACTCCAGCTACTGGGAGGCTGAGCAAGAAATCA	38846
Oy	1527	CTTGAAACCTTGGGAGGCAAGAGTTGCACTGAGCCGAGATGTTGCCATTGCCATTCCAACGAG	1586
Db	38845	CTTGAAACCTTGGGAGGCAAGAGTTGCACTGAGCCGAGATGTTGCCATTGCCATTCGACCTCG	38786
Oy	1587	GGCAACAAGAGTAAAACTCCATCTTTAAAAAAGAT	1631
Db	38785	GGCAATTAGACAAAACTCCATCTTCAAAAAAAGAAAGAGAT	38741

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RESULT 11
US-11-121-086-106/c
; Sequence 106, Application US/11121086
; Publication No. US20050266459A1
GENERAL INFORMATION:
APPLICANT: POULSEN, TIM S
APPLICANT: NIELSEN, KRISTEN V.
TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
FILE REFERENCE: 09138.6000-00000
CURRENT APPLICATION NUMBER: US/11121,086
CURRENT FILING DATE: 2005-05-04
PRIOR APPLICATION NUMBER: 60/567,570
PRIOR FILING DATE: 2004-05-04
NUMBER OF SEQ ID NOS: 107
SOFTWARE: PatentIn version 3.3
SEQ ID NO 106
LENGTH: 179777
TYPE: DNA
ORGANISM: Homo sapiens
US-11-121-086-106

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	Query Match	13.0%	Score 2226.6	DB 7	Length 179777
	Best Local Similarity	83.9%	Pred. No. 3.2e-37		
	Matches 281	Conservative 0	Mismatches 45	Indels 5	Gaps 2
QY	1396	ATATTTTCCCTTTATTAAGAATTTGTGTGGCCAGGTGCAAGTGTTCATGCTGTATATCC	1355		
Db	118973	ATTCTGTGTGTTAAAAAGATATGATGTTGGCCGGCGGGGTGCTCAGCCTGTATTC	118914		
QY	1356	AGCAGTTTGGGAGGCGTGAAGTGGGTGTATCACCTGAGGTCAAGAGTTGAGAACCACTTG	1415		
Db	118913	AGCAGTTTGGGAGGCGCAAGAGTGGGTGTATCACCTGAGGTCAAGAGTTCAAGAACCAAGCCTG	118854		
QY	1416	ACCAACATGTGGAGAACCCCGCTCTCTACTTAATAAAAAAAAAAATTTAGCTGGAGGTGG	1475		
Db	118853	GCCAAACATGTGGGA-AAACCCCATCTCTACTTAATAATA-----ACAAAAATTAGCTGGGTGTGG	118799		
QY	1476	TGTTGGGCACTGTATATCTTACTGTACTTGGAGGCGTGAACCGAGAAATCTCTTGAACTT	1535		
Db	118798	TGTGTGTCACTGTATATCCAGCTACTCAGAGGCTGAGCGAGAGAAATCGCTTGAACTT	118739		
QY	1536	GGGAGGCGAGAGTTTGCAGTGAAGCCGAGATCGTGCCATTGCACTCAACCGGCGCAACAAG	1595		
Db	118738	GGGAGGCGAAGGTTTGCAGTGAAGCTGAGATCATGCGCACTGCACTCAGCCTGGGCAACAAG	118679		
QY	1596	AGTGAATCTCATCTTAAAAAATTTTTAAAAAAGA	1630		
Db	118678	AGCAAGACTCCGTCTCAAAAAAAAAAAAAAGAAAA	118644		

RESULT 12
US-11-121-086-78
; Sequence 78, Application US/11121086
; Publication No. US20050266450A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.


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; Sequence 28, Application US/11052544
; Publication No. US20050255504A1
; GENERAL INFORMATION:
; APPLICANT: PARL, Fritz F.
; TITLE OF INVENTION: METHOD OF DETECTING AN INCREASED
; TITLE OF INVENTION: SUSCEPTIBILITY TO BREAST CANCER
; FILE REFERENCE: 22000.012702
; CURRENT APPLICATION NUMBER: US/11/052,544
; PRIOR FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: 60/543,866
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 38703
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; note =
; OTHER INFORMATION: Synthetic construct
US-11-052-544-28

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Query Match      12.9%; Score 224.2; DB 7; Length 38703;
Best Local Similarity 79.3%; Pred. No. 5.9e-37;
Matches 280; Conservative 0; Mismatches 68; Indels 5; Gaps 1;

QY 1309 ATAAAGATTGTTGGCCAGGTGCAATGCTTCAATCCCAAGATTGGAG 1368
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16584 AAAAAAAAAAAGAGCGGCGCATGTGCTCACACTTGTATCCAGCATTTGGGAG 16525

QY 1369 GCTGAGTGGGTGATCACTGAGGTGAGAGTTCAGACCACTGACCAATGTTGA 1428
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16524 GCCGAGTGGGTGATCACTGAGGTGAGAGTTCAGACCACTGACCAATGTTGA 16465

QY 1429 GACCCCTGCTTACTATAAAATATAAAATTAAGTGGAGTGTGTGGGACCTG 1488
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16464 GACCCCTGCTTACTATAAAATATAAAATTAAGTGGAGTGTGTGGGACCTG 16410

QY 1489 TAACTCTAGCTACTTGGAGGTGAAACAGAGAACTTCTTGAACCTGGAGGAGAGT 1548
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16409 TAACTCTAGCTACTTGGAGGTGAAACAGAGAACTTCTTGAACCTGGAGGAGAGT 16350

QY 1549 TGCAGTGAAGCGAGATCGTCATTCGACCTCAACCGAGGCAAGAGTGAACCTCAT 1608
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16349 TGCAGTGAAGCGAGATCGTCATTCGACCTCAACCGAGGCAAGAGTGAACCTCAT 16290

QY 1609 CTTAAAAAAGATTTGTTATGGGTTCTTTTAAATGTGAACCTT 1661
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 16289 CTTAAAAAAGATTTGTTATGGGTTCTTTTAAATGTGAACCTT 16237

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Search completed: December 9, 2005, 11:41:19
 Job time : 225 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using bw model

Run on: December 9, 2005, 07:17:16 : Search time 332 Seconds
(without alignments)
9332.199 Million cell updates/sec

Title: US-10-077-698-2
Perfect score: 1743
Sequence: 1 tccgactagcttcagacg.....aaaaaaaaaaaggcg 1743

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1743	100.0	1743	US-09-261-599B-2	Sequence 2, Appli
2	1743	100.0	1743	US-09-456-455A-2	Sequence 2, Appli
3	866.2	49.7	1560	US-09-261-599B-5	Sequence 5, Appli
4	866.2	49.7	1560	US-09-456-455A-5	Sequence 5, Appli
5	234.6	13.5	71574	US-09-949-016-15580	Sequence 15580, A
6	234.2	13.4	601	US-09-949-016-136815	Sequence 136815, A
7	234	13.4	78720	US-09-949-016-12710	Sequence 12710, A
8	234	13.4	78720	US-09-949-016-17283	Sequence 17283, A
9	233.4	13.4	144158	US-09-949-016-11755	Sequence 11755, A
10	233.4	13.4	144158	US-09-949-016-12936	Sequence 12936, A
11	233	13.4	471	US-09-621-976-13665	Sequence 13665, A
12	233	13.4	561	US-09-949-016-41725	Sequence 41725, A
13	232.2	13.3	41106	US-09-949-016-15796	Sequence 15796, A
14	232	13.3	29357	US-09-949-016-16676	Sequence 16676, A
15	231.8	13.3	2742	US-09-949-016-4295	Sequence 4295, Ap
16	231.8	13.3	30324	US-09-949-016-16037	Sequence 16037, A
17	231.6	13.3	90618	US-09-949-016-15964	Sequence 15964, A
18	231.6	13.3	108440	US-09-949-016-12065	Sequence 12065, A
19	231.6	13.3	108441	US-09-949-016-14090	Sequence 14090, A
20	231.4	13.3	26619	US-09-949-016-15030	Sequence 15030, A
21	231.4	13.3	39601	US-09-949-016-16045	Sequence 16045, A
22	231.2	13.3	57392	US-09-949-016-12070	Sequence 12070, A
23	231.2	13.3	57402	US-09-949-016-13293	Sequence 13293, A
24	230.8	13.2	57751	US-09-949-016-13631	Sequence 13631, A

C	25	230.8	13.2	75212	3	US-09-949-016-13313	Sequence 13313, A
C	26	230.8	13.2	75212	3	US-09-949-016-13314	Sequence 13314, A
C	27	230.8	13.2	75212	3	US-09-949-016-13315	Sequence 13315, A
C	28	230.8	13.2	87523	3	US-09-949-016-12670	Sequence 12670, A
C	29	230.8	13.2	87523	3	US-09-949-016-15047	Sequence 15047, A
C	30	230.8	13.2	87523	3	US-09-949-016-15048	Sequence 15048, A
C	31	230.8	13.2	87523	3	US-09-949-016-15049	Sequence 15049, A
C	32	230.8	13.2	87869	3	US-09-949-016-15044	Sequence 15044, A
C	33	230.8	13.2	87869	3	US-09-949-016-15045	Sequence 15045, A
C	34	230.8	13.2	87869	3	US-09-949-016-15046	Sequence 15046, A
C	35	230.4	13.2	451924	3	US-09-949-016-17305	Sequence 17305, A
C	36	230.4	13.2	451924	3	US-09-949-016-17306	Sequence 17306, A
C	37	230.4	13.2	451924	3	US-09-949-016-17307	Sequence 17307, A
C	38	230.2	13.2	601	3	US-09-949-016-153816	Sequence 153816, A
C	39	230.2	13.2	5819	3	US-09-949-016-14050	Sequence 14050, A
C	40	230.2	13.2	40408	3	US-09-949-016-16331	Sequence 16331, A
C	41	230.2	13.2	50836	3	US-09-949-016-16722	Sequence 16722, A
C	42	230.2	13.2	84875	3	US-09-949-016-17334	Sequence 17334, A
C	43	230.2	13.2	84875	3	US-09-949-016-17335	Sequence 17335, A
C	44	230.2	13.2	84875	3	US-09-949-016-17336	Sequence 17336, A
C	45	230.2	13.2	84875	3	US-09-949-016-17337	Sequence 17337, A

ALIGNMENTS

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RESULT 1
US-09-261-599B-2
; Sequence 2, Application US/09261599B
; Patent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/17706
; CURRENT APPLICATION NUMBER: US/09/261,599B
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-261-599B-2

Query Match      100.0%; Score 1743; DB 3; Length 1743;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1743; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1      TCCGACTAGTTCAGACCGCTGCGGCGCCGCAAGCGCGGAGATGTCCTGATGCGC 60
          |||
DB      1      TCCGACTAGTTCAGACCGCTGCGGCGCCGCAAGCGCGGAGATGTCCTGATGCGC 60

QY      61      GCGGCGACGCGGCGACCGCGCTTTCGCGACCTTGAGCAAGCAACCGACCGCTTTC 120
          |||
DB      61      GCGGCGACGCGGCGACCGCGCTTTCGCGACCTTGAGCAAGCAACCGACCGCTTTC 120

QY      121     CTTCTTCTCGAGCTCAAGGCGACCAACCGGCTGCTGCGCGGCTGAGCAACCGT 180
          |||
DB      121     CTTCTTCTCGAGCTCAAGGCGACCAACCGGCTGCTGCGCGGCTGAGCAACCGT 180

QY      181     GCTGAGCTCATCTTTGCAATGTCGCTGCGGCAACGTCGCGCTGCTGCTGAGC 240
          |||
DB      181     GCTGAGCTCATCTTTGCAATGTCGCTGCGGCAACGTCGCGCTGCTGCTGAGC 240

QY      241     GCGCGGACGACCGCGCGCGCGCGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
          |||
DB      241     GCGCGGACGACCGCGCGCGCGCGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300

QY      301     GCTCTTATCATGAGGCTATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360
          |||
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Db 301 GCTCTTCATCAGGCGCTATCCCTCTGCTGCTGCGCTGCGCTGAGCTGAGCGCTGGCTGCT 360
Qy 361 GGGGCCCCGTTGGCTCCGACCTGCTCTTCTAGATATGACCTTGAGCGGCGAGCGCTACCAT 420
Db 361 GGGGCCCCGTTGGCTCCGACCTGCTCTTCTAGATATGACCTTGAGCGGCGAGCGCTACCAT 420
Qy 421 CCTCAGCTGAGCGCGGCTGACGCTGAGCGCATGGTGGCATGCTGACACCTGACGCGCGG 480
Db 421 CCTCAGCTGAGCGCGGCTGACGCTGAGCGCATGGTGGCATGCTGACACCTGACGCGCGG 480
Qy 481 CGTGGGAGTCTCTGGGCGGCGGCGCGGCGAGTCTGCTGCGCTCACTTGGGCTATTC 540
Db 481 CGTGGGAGTCTCTGGGCGGCGGCGGCGGCGAGTCTGCTGCGCTCACTTGGGCTATTC 540
Qy 541 GGGCGGTGCGGCTCTGCTCTCTGCGCTCTTCTTGAGTGGTCCCGGACGCGCTCCCGG 600
Db 541 GGGCGGTGCGGCTCTGCTCTCTGCGCTCTTCTTGAGTGGTCCCGGACGCGCTCCCGG 600
Qy 601 CGCGGACGAGGAATTCGATTTGACATGATTTGGCCACATTCCTGAGAGATCTC 660
Db 601 CGCGGACGAGGAATTCGATTTGACATGATTTGGCCACATTCCTGAGAGATCTC 660
Qy 661 GTGGGATGTCCTTTTGTACTTTGAACTTCTGCTGCGAGACTGGTCAATTGATCAG 720
Db 661 GTGGGATGTCCTTTTGTACTTTGAACTTCTGCTGCGAGACTGGTCAATTGATCAG 720
Qy 721 TTACTCCAAAATTTTACAGATCACAAGAGCATCAAGAAAGGCTCACGGTAAGCTTGC 780
Db 721 TTACTCCAAAATTTTACAGATCACAAGAGCATCAAGAAAGGCTCACGGTAAGCTTGC 780
Qy 781 CTACTCGGAGAGCACCAGATCGCGGTGCCAGACAGATCTCCGGCTCTTCGACACCT 840
Db 781 CTACTCGGAGAGCACCAGATCGCGGTGCCAGACAGATCTCCGGCTCTTCGACACCT 840
Qy 841 CTTCTCTCTCATGCTCTCTCTTCTTCACTATGAGGCCCATCATCATCATCATCTCTCT 900
Db 841 CTTCTCTCTCATGCTCTCTCTTCTTCACTATGAGGCCCATCATCATCATCATCTCTCT 900
Qy 901 CATCTGATCCAGAACTTCAAGCAAGACCTGCTCATCTGCGCGCTCTCTCTCTGGGT 960
Db 901 CATCTGATCCAGAACTTCAAGCAAGACCTGCTCATCTGCGCGCTCTCTCTCTGGGT 960
Qy 961 GGTGGCTTCACTTTTGTATTTAGCCCTTAACCCCATCTTCAACATGACACTGTG 1020
Db 961 GGTGGCTTCACTTTTGTATTTAGCCCTTAACCCCATCTTCAACATGACACTGTG 1020
Qy 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTTCCAGAAAAGGAGCCATTTT 1080
Db 1021 CAGGAATGAGTGAAGAAATTTTGTGCTGCTGCTGCTTCCAGAAAAGGAGCCATTTT 1080
Qy 1081 AACGACACATCTGTCAAAAGAAATGACTTGTGATTAATTTCTGCTTAATTTCTTTAT 1140
Db 1081 AACGACACATCTGTCAAAAGAAATGACTTGTGATTAATTTCTGCTTAATTTCTTTAT 1140
Qy 1141 AGCGAGTTCCTCACCTGCGAGCTGTGAGCTTTTAAACAGAGTTCAATTCAGT 1200
Db 1141 AGCGAGTTCCTCACCTGCGAGCTGTGAGCTTTTAAACAGAGTTCAATTTCAAGT 1200
Qy 1201 ACCCTCATCAGTGCACCTGCTTTAAGAAAATGAACTATGCAATGACATCACAAGC 1260
Db 1201 ACCCTCATCAGTGCACCTGCTTTAAGAAAATGAACTATGCAATGACATCACAAGC 1260
Qy 1261 GTGCGTAATTAAGGGGTGATCACAAGTTTCAATTAATTTTCCCTTATATTAAGGATTT 1320
Db 1261 GTGCGTAATTAAGGGGTGATCACAAGTTTCAATTAATTTTCCCTTATATTAAGGATTT 1320
Qy 1321 GTTGGCAGGTGAGTGGTTCATGCTGTATATCCAGAGCTTTGGGAGGCTGAGGTGGGT 1380
Db 1321 GTTGGCAGGTGAGTGGTTCATGCTGTATATCCAGAGCTTTGGGAGGCTGAGGTGGGT 1380
Qy 1381 GGATCACCCTGAGTTCAGAGATTGAGCAACCTGACCAACATGATGATGAGACCCCGTCTC 1440
Db 1381 GGATCACCCTGAGTTCAGAGATTGAGCAACCTGACCAACATGATGATGAGACCCCGTCTC 1440
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Db 1381 GGATCACCCTGAGTTCAGAGATTGAGCAACCTGACCAACATGATGATGAGACCCCGTCTC 1440
Qy 1441 TACTAAAAATTAAGCTGGGAGTGGTGGGACCTGTAATCTAGCTA 1500
Db 1441 TACTAAAAATTAAGCTGGGAGTGGTGGGACCTGTAATCTAGCTA 1500
Qy 1501 CTTGGAGGCTGACCAAGAGAAATCTTTGAACTGAGGAGCAGAGGTTGCACTGAGCCG 1560
Db 1501 CTTGGAGGCTGACCAAGAGAAATCTTTGAACTGAGGAGCAGAGGTTGCACTGAGCCG 1560
Qy 1561 AGATGTCCTGACCTCCACCAAGGCAACAAAGTGAATCTCATCTTAAAAAAA 1620
Db 1561 AGATGTCCTGACCTCCACCAAGGCAACAAAGTGAATCTCATCTTAAAAAAA 1620
Qy 1621 AAAAAAAGTTGTAATGAGTCTCTTTTAAAGTGAATCTTTTAAAGTGTGTTGTAATA 1680
Db 1621 AAAAAAAGTTGTAATGAGTCTCTTTTAAAGTGAATCTTTTAAAGTGTGTTGTAATA 1680
Qy 1681 TGATCAAAATTTAATATTTATTTATGACTGTCAGCAAAAAA 1740
Db 1681 TGATCAAAATTTAATATTTATTTATGACTGTCAGCAAAAAA 1740
Qy 1741 CGG 1743
Db 1741 CGG 1743

RESULT 2
US-09-456-455A-2
; Sequence 2, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Teai, Fong-Ying
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 142/3 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: NMI-204CP3
; CURRENT FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-456-455A-2

Query Match 100.0%; Score 1743; DB 3; Length 1743;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1743; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TCCGACTAGTTCTAGACCGCTGCGGCGCCGACGCGCGGGAATGTCCTCTGAATGCGC 60
Db 1 TCCGACTAGTTCTAGACCGCTGCGGCGCCGACGCGCGGGAATGTCCTCTGAATGCGC 60
Qy 61 GCGGCGACGCGGCGACGCGCTTGGCGAGCTGAGCAAGCAACCGACCGCTTTCC 120
Db 61 GCGGCGACGCGGCGACGCGCTTGGCGAGCTGAGCAAGCAACCGACCGCTTTCC 120
Qy 121 CTTCTTCTCGAGCTCAAGGGGCAACGCGGCTGAGCTGAGCGCGGCTGAGCAACCGT 180
Db 121 CTTCTTCTCGAGCTCAAGGGGCAACGCGGCTGAGCTGAGCGCGGCTGAGCAACCGT 180
Qy 181 GCTGTGCTCATCTTTGCACTGCTGCTGAGCAAGTGTGCGCCCTGTGTGCTGTGCG 240
Db 181 GCTGTGCTCATCTTTGCACTGCTGCTGAGCAAGTGTGCGCCCTGTGTGCTGTGCG 240
Qy 241 GCGCGACGACGCGCGCGCGGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
Db 241 GCGCGACGACGCGCGCGCGGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
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Db	421	GCCTGCTCAACCTCTTCTCGCGGGAATTTGCTCTTCAACAGGCGCAATCCCTCTAATGC	480
Oy	330	TGGCCGTGCGTGAGCTAGAGCCCTGGCTGCTGGGCCCTGTTGCTGCCACTGCTCTTCT	389
Db	481	TGCTGTGCTGCGTGAAGCTAGAGCCCTGGCTGTTGGGGCCCGGTGCTGCCACTGCTCTTCT	540
Oy	390	ACGTGATGACCTTGAGCGGAGCGGCAACATCTCTCAAGCTGAGCGCGGTGAGCCTGGAGC	449
Db	541	ACGTGATGATGATGAGCGGAGCGGCAACATCTCTCAAGCTGAGCGCGGTGAGCCTGGAGC	600
Oy	450	GCAATGTTGTCATCGTGTGACCTGTGACGCGCGGCGTGGCGGATCTTGGCGCGGCGCGG	509
Db	601	GCATGTGTGTCATCGTGTGCGCTCCGCGCGGCTTTGAGGCGGCCCGGGCGGCGACTCAGG	660
Oy	510	CAGTGTCTGTGGCGCTCATCTGGGGCTATTTGGGGGTGTGGCGGTGTGGCGTCTGTGGCTT	569
Db	661	CGGCACTGCTGGCTTTTCATATGGGGTAACTGGGGCTGTGGCGGCTGTGCCCTCTCAACCT	720
Oy	570	TCTTTCAGAGTCGTCCCGGACAGGCTCCCGGCGGAGCAGAGAAATTTTCATTTGACAC	629
Db	721	TGTTCCGCGTGTCCCCGAGCGCTTCCCGCGGGAGACAGAAATTTCCGATTTGGCAT	780
Oy	630	TGATTTGGCCCACTTCTGTGAGAGATCTGTGGAGATGTCTCTTTTGTATCTTTGAACT	689
Db	781	TGATTTGGCCCACTAGGAGAAATCTATGGAGATGTGTTTTTGTGACTTTGAACT	840
Oy	690	TCTTGTGTCAGAGACTGTGCTATTTGTGATCAGTTACTCCAAATTTTACATTCACAAAG	749
Db	841	TCTGTGTCCGGAGCTGTGCTATTTGTATCAGTTACTCCAAATTTTACAGTTCAGAAAG	900
Oy	750	CATCAAGAGAGAGGCTCAACGCTAAGCCTGGCTACTCGAGAGCCACAGATCCGCGTGT	809
Db	901	CATCGCGGAAGAGCTTACGCTGAGCTTGGCACTTGAAGAGCCACAGATCCGAGTGT	960
Oy	810	CCCAGCAGGACTTCCGGCTCTTCCGACCCCTTCTCTCATAGTCTCTTCTTTATCA	869
Db	961	CCCAACAAAGACTACCGACTCTTCCGACGCTCTTCTGTCTATGGTTTTCTTCTTCATCA	1020
Oy	870	TGTGAGCCCCCATCATCATCAACATCTCTCATCTGATCATCGAAGACTTCAAGCAGAAC	929
Db	1021	TGTGAGTGTCCATCATCATCAACATCTCTCATCTTATTCMAAACTTCCGAGAGAAC	1080
Oy	930	TGTCATCTGCGCGCTCCCTCTTCTTCTGAGTGTGGCCCTTCACATTTGCTAATTCAGCCC	989
Db	1081	TGTCATCTGCGCATCCCTCTTCTTCTGGTGTGTGGCTTCAAGTTTSCCAACTCTGCC	1140
Oy	990	TAAACCCCATCCTCTACAAACATGACATGTGTGAGAAAGATGTGAAAGAAATTTTGTCT	1049
Db	1141	TAAACCCCATCTGTACAAACATGTGTGTTCAGAAAGAAATGTGAAAGAAATTTTGTCT	1200
Oy	1050	GCTTCTGTTCCCAAGAAAGGAGCCATTTTAAACAGACATCTGTCCAAAGAAATGACT	1109
Db	1201	GCTTCTTTTTCACAGAAAGGAGCATTTTAAAGATAGCTGTGTACAGGGAATGACT	1260
Oy	1110	TGTGATTAATTTCTGGCTAATTTTCTTTATAGCCGAGTTTCTCACACTGTGCGAGCTGT	1169
Db	1261	TGTCTGTTAATTTCCAGCTAA-----CTAACCTCTGTGTGCAAGTAAACAC	1306
Oy	1170	GGCATGCTTTTAAACAGAGTTCAATTCAGTACCTCATAGTGCACCTCGCTTTAAGA	1229
Db	1307	GGTGTGATGTAAAGGAATTAATCTTACAGAAAGCCACAGTGTGCGCTGTCTTTAAG	1366
Oy	1230	A-AATGAACCTTAGCAATGACATCCACAGCTGTGATTAATTAAGGGGTATCAACAAG	1288
Db	1367	AATCCGCACTTCCAAACAGAGGATCTAGGAGCAGCAAAATTAAGAAATGATGCTGTAG	1426
Oy	1289	TTTCAATAATTTTCCCTTTATTAAGAAAGATTTGTGG	1325
Db	1427	TATTAATAATTTTCTTTAAAGAACTTCTATGTGG	1463

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: Sequence 5 Application US/09456455A
: Patent No. 6448005
: GENERAL INFORMATION:
: APPLICANT: Glucksmann, Maria A.
: APPLICANT: Tsai, Fong-Ying
: TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
: FILE REFERENCE: MN-204CP3
: CURRENT APPLICATION NUMBER: US/09/456,455A
: CURRENT FILING DATE: 1999-12-08
: PRIOR APPLICATION NUMBER: 09/107,761
: PRIOR FILING DATE: 1998-06-30
: PRIOR APPLICATION NUMBER: 09/223,538
: PRIOR FILING DATE: 1998-12-30
: NUMBER OF SEQ ID NOS: 15
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 5
:
: LENGTH: 1560
: TYPE: DNA
: ORGANISM: Murine ortholog
: US-09-456-455A-5

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Query Match	49.7%;	Score 866.2;	DB 3;	Length 1560;
Best Local Similarity	80.5%;	Pred. No. 2.7e-170;		
Matches 1044;	Conservative 0;	Mismatches 238;	Indels 15;	Gaps 2;
QY	30	GCCAGGCGCGGAGATGCCCTTGAAAGCGCGCGGCGAGCGCGGCGCA	CGCGCCCTTGGCA	89
DB	181	GCGGGGGCCCCGGGATCCTCCCTAGTGTGACAGACGAGCGCGCCGTGCTCCCTGGACA		240
QY	90	GCTTGAGCAAGCCACCGCACCCCGCTTTCCCTTCTCTCGAGCTCAAGGGCGACAC		145
DB	241	CCCTGGACCAAGTCAATCGACACCCACTTCCCTTCTCTCGAAGTCAAGGGCGACAC		300
QY	150	GGCTGGTGCCTGGCGCGGGTGGAGCAACCGGCGTGGTCAATCTTTGACAGTGGCGTGC		209
DB	301	GGTTGGTGTGAGCGTGTGGAGCACACCGTCTTGGACCTCATTTTGTGCTCTACATGC		360
QY	210	TGGGCAACGATGTGCGCCCTGGTGTGTGGCGCGCCGACGACGCGCGCGCGACTGCT		269
DB	361	TGGGCAACGATGTGTGCTCTAGTGTGTGGTGGCGCGCGCGCGCGCGTCAAGCA		420
QY	270	GCTTGGTACTCACTCTTCTTGGCGGACCTGCTCTTCAATCAGGCTATCCCTTGGTGC		329
DB	421	GCTTGGTACTCACTCTTCTTGGCGGATTTGCTTTCACAGCGGCATCCTCTAGTGC		480
QY	330	TGGCGGTCGTGACCTGAGGCGCTGGTGGCGCGCGCGCGCGTGGCGACCGCTCTTCT		389
DB	481	TGCTGTGTGTGACCTGAGGCGCTGGTGGCGCGCGCGCGCGTGTGCACTGCTCTTCT		540
QY	390	ACGTGATGACCCCTGAGCGGCGAGCGCTCAACATCTCTACGCTGGCGCGGTCAGCTGAGC		449
DB	541	ACGTGATGATGACATGAGCGGCGAGCGCTCAAGATCTCACTGGCGCGCGTCAAGCTGAGC		600
QY	450	GCATGTGTGTGATGTGCACTTGACAGCGCGCGCGTGGCGGATCTTGGCGCGCGCGCGG		509
DB	601	GCATGTGTGTGATGTGTGCGCTCCGCGCGCGCGCTTGAAGCGCGCGCGCGCGGACTAGG		660
QY	510	CAGTGTGTGTGAGCGCGCTCATCTGGGGGCTAATTCGGGGGTTCGCGCGCTGTGCTCTGAGCT		569
DB	661	CGGACGTGTGTGCTTTTCAATATGGGGTATCTGGGGCTTGCGCGCGCTGCGCTCTTACATCT		720
QY	570	TCTTTCGAGTGTGTCCCGCAACGAGTCCCGCGCGCGGACCAAGAAATTTTCATTTGACAC		629
DB	721	TGTTCCGGGTGTGTCCCGAGCGCTTCCCGCGCGGGAGACAGAAATTCGATTTGGACAT		780
QY	630	TGATTTGGCCCAATTCCTGGAGAGATCTGTGGAGTGTCTTTTGTATCTTTGAACT		689
DB	781	TGATTTGGCCCAACCGCATAGAGAAATTCATGGAGTGTGTTTTGGAGCTTTGAACT		840
QY	690	TCTTGTGTGCGGAGCTGTCTATTTGATCAATTACTCCAAATTTTTCAGATCAAG		749
DB	841	TCTGTGTGTGCGGAGCTGTCTATTTGATCAATTACTCCAAATTTTTCAGATCAAG		900

Qy 750 CATCAGAGAGAGCTCAGGTAAAGCTGAGCTACTCGAGAGCCACAGATCCGCTGT 809
| | | | |
Db 901 CATCGGAGAGAGGCTTACGCTGAGCTTGACATCTGAGAGCCAGATCCGAGTGT 960
| | | | |
Qy 810 CCCAGCAGAGATTTCCGGCTCTTCCGACACCTCTTCTCTATGATCTCTTTTCATCA 869
| | | | |
Db 961 CCCAACAGAGACTACGACTCTTCCGACAGCTCTTCTGCTCATGATGTTTCTTTCATCA 1020
| | | | |
Qy 870 TGTGAGAGCCCATCATCATCATCATCTCTCTCATCTGATATCAGAACTCAAGAGAGCC 929
| | | | |
Db 1021 TGTGAGAGCCCATCATCATCATCATCTCTCTCATCTGATATCAGAACTCAAGAGAGCC 1080
| | | | |
Qy 930 TGTGATCTGAGCCGCT 989
| | | | |
Db 1081 TGTGATCTGAGCCATCT 1140
| | | | |
Qy 990 TAAACCCCATCT 1049
| | | | |
Db 1141 TAAACCCCATCT 1200
| | | | |
Qy 1050 GCTTCTGCTTCCAG 1109
| | | | |
Db 1201 GCTTCTTCTTCT 1260
| | | | |
Qy 1110 TGTGATCT 1169
| | | | |
Db 1261 TGTCTGTTATTTTCCAGCTCA-----CTAGCTCTGCTGCTGCTGCTGCTGCT 1306
| | | | |
Qy 1170 GGCATGCTTTTAAACAGAGTTCATTTCCAGTACCTCCATGAGTCACTGCTTTTAA 1229
| | | | |
Db 1307 GGTGTGATGTAAAG 1366
| | | | |
Qy 1230 A-AATGAACCTTATGCAATATACATCCACAGCTCTGATTAATTAAGGGTATACCAAG 1288
| | | | |
Db 1367 ATACCCGACTTCCAAAG 1426
| | | | |
Qy 1289 TTTCATATATTTTCCCTTTTAAAGAGATTTGTTG 1325
| | | | |
Db 1427 TATTAATATATTTTCTTTTAAAGAGATTTGTTG 1463
| | | | |

RESULT 5
US-09-949-016-15580
; Sequence 15580 Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 15580
; LENGTH: 71574
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)_(71574)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15580

Query Match 13.5%; Score 234.6; DB 3; Length 71574;
Best Local Similarity 81.2%; Pred. No. 7,3e-39;
Matches 298; Conservative 0; Mismatches 64; Indels 5; Gaps 2;

Qy 1272 AAGGGTGTATCACCAGATTCAATATATTTTCCCTTATATAAGAGATTGTGGCCAGT 1331
| | | | |
Db 64884 AAGAACTAACACCATATGTTTCAACATCTTGGCATATAAATCTCAATGATCTGAAGCCAGCC 64943
| | | | |
Qy 1332 GCACTGTTATGCTCTGTTAATCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1391
| | | | |
Db 64944 GCACTGCTCAGCCTCTGTTAATCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 65003
| | | | |
Qy 1392 GGTAGAGAGTTCCAG 1451
| | | | |
Db 65004 GGTAGAGAGTTCCAG 65061
| | | | |
Qy 1452 AAAAAAAAAATTGAGTGGAGTGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1511
| | | | |
Db 65062 ---ACAAAATTGAGTGGAGTGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 65118
| | | | |
Qy 1512 GAACAGAGAGATCTTGAACCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1571
| | | | |
Db 65119 GAGCAGAGAGATGCTTGAACCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 65178
| | | | |
Qy 1572 TTGCACTTCCAGAT 1631
| | | | |
Db 65179 CTGCACTTCCAGAT 65238
| | | | |
Qy 1632 TTGTTAT 1638
| | | | |
Db 65239 CCATGAT 65245
| | | | |

RESULT 6
US-09-949-016-136815
; Sequence 136815 Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 136815
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-136815

Query Match 13.4%; Score 234.2; DB 3; Length 601;
Best Local Similarity 80.9%; Pred. No. 2.1e-39;
Matches 297; Conservative 1; Mismatches 64; Indels 5; Gaps 2;
Qy 1272 AAGGGTGTATCACCAGATTCAATATATTTTCCCTTATATAAGAGATTGTGGCCAGT 1331
| | | | |
Db 108 AAGAACTAACACCATATGTTTCAACATCTTGGCATATAAATCTCAATGATCTGAAGCCAGCC 167
| | | | |
Qy 1332 GCACTGTTATGCTCTGTTAATCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1391
| | | | |
Db 168 GCACTGCTCAGCCTCTGTTAATCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 227
| | | | |
Qy 1392 GGTAGAGAGTTCCAG 1451
| | | | |
Db 228 GGTAGAGAGTTCCAG 285
| | | | |
Qy 1452 AAAAAAAAAATTGAGTGGAGTGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1511
| | | | |

Accession	Sequence	Position
Db	286 ---ACAAAATATGCTGRCATGTGTGCGGGCGCCTGTATATCCOAGTACTTGGAGGCT	342
Oy	1512 GAACCAAGAGAAATCTTTGAACCTGGAGGCAAGTTGCATGAGCCGAGATCTGCCA	1571
Db	343 GAGGAGGAGAAATCCCTTAAACCCAGAGGCAAGGTTGCATGAGCCGAGATCGCACCA	402
Oy	1572 TTGCACCTCCAACGAGGSCAACAAAGATGAATCTCTTAAAAAAGAT	1631
Db	403 CTGCACCTCCAGCTGGGCGCAAGAGCGAAATCTCTCAAAAAAAGAAAAAAACCT	462
Oy	1632 TTGTAT	1638
Db	463 CCATGAT	469

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RESULT 7
US-09-949-016-12710
; Sequence 12710, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12710
; LENGTH: 78720
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1) ..(78720)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12710

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[illegible]

Db 52272 TTAAGATAAAATGTT 52287

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RESULT 8
; Sequence 17283, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17283
; LENGTH: 78720
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(78720)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17283

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	Query March	13.4%;	Score 234;	DB 3;	Length 78720;
	Best Local Similarity	80.1%;	Pred. No. 1e-38;		
	Matches 301;	Conservative 0;	Mismatches 70;	Indels 5;	Gaps 2;
QY	1289	TTTCATTAATATTTTCCCTTATATAAAGATTGTGGCCAGGTGCAGTGTTCATGCTTG	1348		
Db	51917	TTTCATTACATTTGGCAATTTTAAATTAATTAATGATGAGCTGGGTGCAGTGGCTCACACCG	51976		
QY	1349	TAAATCCAGAGATTGTGGAGGCTGAGTGGGTGATCACTGAGGTCAAGAGTTTGAGAGC	1408		
Db	51977	TAAATCCAGAGACTTTGGAGGCTGAGAGCGAGTGAATCACTGAGGTCAAGAGTTTGAGAGC	52038		
QY	1409	CAACTGACCCACATGATGATGAGACCCCGCTCTCTACTATAAATAAAAAAAATTAAGCTG	1468		
Db	52037	CAGCTGGGCCAACATGATGTA- AACCCCACTCTGACTATAAAAT- -ACAGAAATTAATCTG	52091		
QY	1469	GGAATGTGTGGGCACTCTGTAATCTTACTACTTTGGAGGCTGAACCAAGAGAACTCTT	1528		
Db	52092	GAGTGTGCAATGGAACAATGTAATCCACACTCTTGGAGGCTGAGAGCGAGAAATCTT	52151		
QY	1529	TGAACCTGGGAGGCAAGGTTGTGATGAGACCGAGATCGTGCAATTCATCCAAACCAAGG	1586		
Db	52152	TAAATCTGGGAGGCAAGGTGTGATGAGACCGAGACCGTGCATTTGCATCTCCAGCTGGG	52211		
QY	1589	CAACAAGAGTGAATCTTCATCTTTAAAAAATAAAAAAAGATTGTATATGGGTTCTTT	1648		
Db	52212	TGACAAGAGTGAATTCATCTTCAAAAAATAAATAAATTAATTCATGTGACCCCTGCTTT	52271		
QY	1649	TAAATGTGAATCTTTT 1664			
Db	52272	TTAAAGATTAATATGTT 52287			

RESULT 9
 US-09-949-016-11755
 ; Sequence 11755, Application US/09949016
 ; Patent No. 6812139
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED


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; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11755
; LENGTH: 144158
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(144158)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11755

Query Match      13.4%; Score 233.4; DB 3; Length 144158;
Best Local Similarity 83.3%; Pred. No. 1.6e-38;
Matches 279; Conservative 0; Mismatches 51; Indels 5; Gaps 1;

QY 1306 TTTTAAAGAGATTGTTGGCCAGATGTCAGTGTTCATGCTCTGTAATCCCAAGCTTTGG 1365
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44636 TATATCAAGATTTAATAGCCCGGATGCGGTGGCTCAGCTTGTATCCCAAGCACTTTGG 44695

QY 1366 GAGCGTAGGTGGGTGATCACTGAGGTGAGAGTTCAGAGCCCAAGCTGCAACATGG 1425
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44696 GAGCCGAGGGCGGCGGATCACTGAGGTCCGAGTTCGAGACCAAGCTGCAACATGG 44755

QY 1426 TGAGACCCCGCTCTCTACTATAAATTAATAAATAATAGCTGGAGTGTGTGGCGAC 1485
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44756 AGAAACCCCGCTCTCTACTATAAAT-----ACAAATTAAGCGGCGCATGTGGCGCATGC 44810

QY 1486 CTGTAACTCTAGCTACTTGGAGGCTGACCAAGAGAAATCTTTGAACCTTGGAGGCGAGA 1545
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44811 CTGTAACTCCAGCTACTCTGAGGCTGAGCGAGATGCTTGAACCCGAGGCGCGA 44870

QY 1546 GGTTCAGTAGCGGAGATCGTGCATTGCACTTCAACCAAGGCAAGAGTGAATCTC 1605
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44871 GGTTCGTGTAGCGGAGATCGGCTGATTCGACCTTGCGCTTGGCGCAACAGAGTGAATCTC 44930

QY 1606 CATCTTAAAAAAGATTGTTATG 1640
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44931 CATCTCAAAAAAAGATTGTTATG 44965

RESULT 10
US-09-949-016-12936
; Sequence 12936, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12936
; LENGTH: 144158
; TYPE: DNA
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; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(144158)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12936

Query Match      13.4%; Score 233.4; DB 3; Length 144158;
Best Local Similarity 83.3%; Pred. No. 1.6e-38;
Matches 279; Conservative 0; Mismatches 51; Indels 5; Gaps 1;

QY 1306 TTTTAAAGAGATTGTTGGCCAGATGTCAGTGTTCATGCTCTGTAATCCCAAGCTTTGG 1365
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44636 TATATCAAGATTTAATAGCCCGGATGCGGTGGCTCAGCTTGTATCCCAAGCACTTTGG 44695

QY 1366 GAGCGTAGGTGGGTGATCACTGAGGTGAGAGTTCAGAGCCCAAGCTGCAACATGG 1425
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44696 GAGCCGAGGGCGGCGGATCACTGAGGTCCGAGTTCGAGACCAAGCTGCAACATGG 44755

QY 1426 TGAGACCCCGCTCTCTACTATAAATTAATAAATAATAGCTGGAGTGTGTGGCGAC 1485
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44756 AGAAACCCCGCTCTCTACTATAAAT-----ACAAATTAAGCGGCGCATGTGGCGCATGC 44810

QY 1486 CTGTAACTCTAGCTACTTGGAGGCTGACCAAGAGAAATCTTTGAACCTTGGAGGCGAGA 1545
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44811 CTGTAACTCCAGCTACTCTGAGGCTGAGCGAGATGCTTGAACCCGAGGCGCGA 44870

QY 1546 GGTTCAGTAGCGGAGATCGTGCATTGCACTTCAACCAAGGCAAGAGTGAATCTC 1605
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44871 GGTTCGTGTAGCGGAGATCGGCTGATTCGACCTTGCGCTTGGCGCAACAGAGTGAATCTC 44930

QY 1606 CATCTTAAAAAAGATTGTTATG 1640
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 44931 CATCTCAAAAAAAGATTGTTATG 44965

RESULT 11
US-09-621-976-13665/C
; Sequence 13665, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 13665
; LENGTH: 471
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-13665

Query Match      13.4%; Score 233; DB 3; Length 471;
Best Local Similarity 79.3%; Pred. No. 3.5e-39;
Matches 283; Conservative 4; Mismatches 69; Indels 1; Gaps 1;

QY 1289 TTTTCAATATTTTCCCTTATATAAAGATTGTTGGCCAGTGCAGTGTATGCTG 1348
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 378 TTTTCAATATTTTCTTTTAAACAATTTGGGCGGCGACGGTGTCTCACACTG 319

QY 1349 TAAATCCAGAGATTGTTGGAGGCTGAGGTGATGATCACTGAGTCAAGAGTTGAGAC 1408
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 318 TAAATCCAGATTTTGAAGAGGCGAGGTGAGTATCACTGAGTCAAGAGTTGAGAAC 259

QY 1409 CAACCTGACCAAGATGTGAGACCCCGCTCTTACTTAATAAATAA-AAAAAATTAGCT 1467
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 258 GAGCTTACCAACATGTTGTAACCCCATTTCTTACAAAAAATAAATACAAAAAGTGGC 199

QY 1468 GAGAGTGTGTGGGACCTGTATCTTACTTGTGGAGGCTGAACAGAGAAATCTC 1527
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Db 198 AGGGGTGTGTGATGTCTATATCCAGTACTCAGAGGCTGTGGCAGAGAAATCGC 139
      |||
Qy 1528 TTGAACCTGGAGGCGAGAGTTGCGAGGCGGAGATGTCCTTCACTCCACAGG 1587
      |||
Db 138 TTGAACCTGGAGGCGAGAGTTGCGAGGCGGAGATGTCCTTCACTCCACAGG 79
      |||
Qy 1588 GCAACAGAGTGAATCCATCTTAATAAAAAAAAAAAGATTGTGATGCTTC 1644
      |||
Db 78 GCAACAGAGTGAATCCATCTTAATAAAAAAAAAAAGATTGTGATGCTTC 22

RESULT 12
US-09-949-016-41725/C
; Sequence 41725, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41725
; LENGTH: 561
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-41725

Query Match 13.4%; Score 233; DB 3; Length 561;
Best Local Similarity 83.0%; Pred. No. 3.6e-39;
Matches 278; Conservative 1; Mismatches 51; Indels 5; Gaps 1;

Qy 1306 TTATATAAGATTGTTGGCAGAGTGCATGCTTCACTGTAATCCAGCAGTTGG 1365
      |||
Db 332 TATATCAAGTTTAAATAGCCGGGTGGGTGCTCAAGCTTGAATCCAGCAGTTGG 273
      |||
Qy 1366 GAGCTGAGTGGGTGATCACTGAGGTGAGAGTTCAGACCACTGACCAATGG 1425
      |||
Db 272 GAGGCCAGGCGGCGATCACTGAGGTTCGAGACCAAGCTGACCAATGG 213
      |||
Qy 1426 TGAGACCCCGTCTCTAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1485
      |||
Db 212 AGAAACCCCGTCTCTAATAAATAAATAAATAAATAAATAAATAAATAAATAA 158
      |||
Qy 1486 CTGTAATCTAGTACTTGGAGGCTGAACAGAGAGATCTTTGAACCTGGAGGAGA 1545
      |||
Db 157 CTGTAATCTAGTACTTGGAGGCTGAACAGAGAGATCTTTGAACCTGGAGGAGA 98
      |||
Qy 1546 GGTTCAGTGAAGCGAGATCTGCTATTGCTCAACAGGAGCAAGAGTAAACTC 1605
      |||
Db 97 GGTTCAGTGAAGCGAGATCTGCTATTGCTCAACAGGAGCAAGAGTAAACTC 38
      |||
Qy 1606 CATCTTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1640
      |||
Db 37 CATCTCAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 3

RESULT 13
US-09-949-016-15796/C
; Sequence 15796, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
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; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15796
; LENGTH: 4106
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15796

Query Match 13.3%; Score 232.2; DB 3; Length 4106;
Best Local Similarity 76.4%; Pred. No. 1.9e-38;
Matches 285; Conservative 0; Mismatches 88; Indels 0; Gaps 0;

Qy 1283 ACCAAGTTGATATATTTCCCTTATATAAGATTGTGGCCAGGTCACTGTCA 1342
      |||
Db 17501 ACCCTGCTCAAAAAACGAAACAAAAATTCCTTTCCAGCTGTGTGTGCTCA 17442
      |||
Qy 1343 TGCTGTAAATCCAGAGTTTGGAGCTGAGGTGATGATCACTGAGTCAAGACT 1402
      |||
Db 17441 TGCTGTAAATCCAGAGCTTTGGAGGCCAGGTGTGATCACTGAGTCAAGACT 17382
      |||
Qy 1403 CGAGACCAACCTGACCAACATGTGAGACCCCGTCTCTAATAAATAAATAAATAA 1462
      |||
Db 17381 CGAGACCAACCTGACCAACATGTGAGAAACCCGCTCTACTAAGAAAAAATAA 17322
      |||
Qy 1463 TAGCTGGAGTGTGTGGGACCTGTATCTTACTTGTGAGGCTGAACAGAGAGA 1522
      |||
Db 17321 TAGCTGGTGTGTGTGGGACCTGTATCTTACTTGTGAGGCTGAACAGAGAGA 17262
      |||
Qy 1523 ATCTCTTGAACCTGGAGGAGAGTTCGATGAGCGGAGATGTGCTATTCACCTCA 1582
      |||
Db 17261 ATGCTTGAATCCGGAGAGAGGAGTTCGATGAGCGGAGATGTGCTATTCACCTCA 17202
      |||
Qy 1583 CCAGGCAACAGAGTGAATCTCATCTTAAAAAATAAATAAATAAATAAATAA 1642
      |||
Db 17201 CCGGCAACAGAGGAAATCTCATCTTAAAAAATAAATAAATAAATAAATAA 17142
      |||
Qy 1643 TCCTTTAAATGT 1655
      |||
Db 17141 GTCATATTCATTT 17129
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RESULT 14
US-09-949-016-16676
; Sequence 16676, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16676
; LENGTH: 29357
; TYPE: DNA
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 5, 2005, 08:53:08 ; Search time 163 Seconds
(without alignments)
925.377 Million cell updates/sec

Title: US-10-077-698-4

Perfect score: 1853
Sequence: 1 MSPECAQTGTGPGSHTLDOV.....KGALFTPTSVRRNDLSVIS 361

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBSCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBSCOMB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBSCOMB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US10A_PUBSCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US10B_PUBSCOMB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US11_PUBSCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1853	100.0	361	4 US-10-086-181-5	Sequence 5, Appli
2	1853	100.0	361	4 US-10-077-698-4	Sequence 4, Appli
3	1853	100.0	361	4 US-10-171-027-4	Sequence 4, Appli
4	1853	100.0	361	4 US-10-075-987-4	Sequence 4, Appli
5	1591	85.9	361	3 US-09-992-331-2	Sequence 2, Appli
6	1591	85.9	361	4 US-10-015-458-2	Sequence 2, Appli
7	1591	85.9	361	4 US-10-086-181-2	Sequence 2, Appli
8	1591	85.9	361	4 US-10-077-698-1	Sequence 1, Appli
9	1591	85.9	361	4 US-10-171-027-1	Sequence 1, Appli
10	1591	85.9	361	4 US-10-075-987-1	Sequence 1, Appli
11	1591	85.9	361	5 US-10-148-826-20	Sequence 20, Appli
12	1591	85.9	599	5 US-10-505-486-32	Sequence 32, Appli
13	1583	85.4	361	3 US-09-995-225-8	Sequence 8, Appli
14	1583	85.4	361	3 US-09-995-225-8	Sequence 8, Appli
15	1576.5	85.1	360	4 US-10-262-313-2	Sequence 2, Appli
16	1576.5	85.1	360	4 US-10-768-878-2	Sequence 2, Appli
17	1533	82.7	300	4 US-10-077-698-7	Sequence 7, Appli
18	1533	82.7	300	4 US-10-075-987-7	Sequence 7, Appli
19	1523	82.2	361	4 US-10-225-567A-682	Sequence 682, App
20	1353	73.0	300	4 US-10-077-698-6	Sequence 6, Appli
21	1353	73.0	300	4 US-10-075-987-6	Sequence 6, Appli
22	804	43.4	221	4 US-10-116-252-12	Sequence 12, Appli
23	804	43.4	221	4 US-10-017-161-1810	Sequence 1810, Ap
24	804	43.4	221	4 US-10-292-798-1466	Sequence 1466, Ap
25	547	29.5	129	4 US-10-276-774-1615	Sequence 1615, Ap
26	536	28.9	356	3 US-09-791-932-70	Sequence 70, Appli
27	455	24.6	140	3 US-09-791-932-93	Sequence 93, Appli

28	315.5	17.0	339	4 US-10-087-192-1467	Sequence 1467, Ap
29	310	16.7	347	4 US-10-262-313-10	Sequence 10, Appli
30	310	16.7	347	4 US-10-768-878-10	Sequence 10, Appli
31	310	16.7	348	3 US-09-992-331-10	Sequence 10, Appli
32	310	16.7	348	4 US-10-090-569-2	Sequence 2, Appli
33	310	16.7	348	4 US-10-212-980-5	Sequence 5, Appli
34	310	16.7	348	4 US-10-081-810-54	Sequence 54, Appli
35	310	16.7	348	4 US-10-278-087A-46	Sequence 46, Appli
36	310	16.7	395	2 US-08-900-220-5	Sequence 5, Appli
37	304	16.4	345	4 US-10-262-313-11	Sequence 11, Appli
38	304	16.4	345	4 US-10-254-905-10	Sequence 10, Appli
39	304	16.4	345	4 US-10-359-285-5	Sequence 5, Appli
40	304	16.4	345	4 US-10-768-878-11	Sequence 11, Appli
41	304	16.4	346	2 US-08-899-112-32	Sequence 32, Appli
42	304	16.4	346	3 US-09-966-782A-10	Sequence 10, Appli
43	304	16.4	346	3 US-09-992-331-11	Sequence 11, Appli
44	304	16.4	346	3 US-09-825-751A-83	Sequence 83, Appli
45	304	16.4	346	3 US-09-771-287-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1									
US-10-086-181-5									
; Sequence 5, Application US/10086181									
; Publication No. US20020177151A1									
; GENERAL INFORMATION:									
; APPLICANT: GIMENO, Ruth									
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC									
; FILE REFERENCE: NMI-220									
; CURRENT FILING DATE: 2002-02-26									
; PRIOR APPLICATION NUMBER: 60/271,655									
; PRIOR FILING DATE: 2001-02-26									
; NUMBER OF SEQ ID NOS: 16									
; SOFTWARE: PasteSeq for Windows Version 4.0									
; SEQ ID NO 5									
; LENGTH: 361									
; TYPE: PRT									
; ORGANISM: Murine ortholog									
US-10-086-181-5									
Query Match									
Best Local Similarity 100.0%; Score 1853; DB 4; Length 361;									
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
Qy	1	MSPECAQTGTGPGSHTLDOVNRTHPPFSVDKGDHRLVLSVETTVGLTFVSLGNYC	60						
Db	1	MSPECAQTGTGPGSHTLDOVNRTHPPFSVDKGDHRLVLSVETTVGLTFVSLGNYC	60						
Qy	61	ALVIVARRRRRGASASIVLNFCAIDLFTSAIPVLVVRTEAMLGPVVCCHLFFYVMTM	120						
Db	61	ALVIVARRRRRGASASIVLNFCAIDLFTSAIPVLVVRTEAMLGPVVCCHLFFYVMTM	120						
Qy	121	SGSVTITLLAASVIERVNCIVRLRGISGGRTOALLAFIWSYALALPIYLFRVV	180						
Db	121	SGSVTITLLAASVIERVNCIVRLRGISGGRTOALLAFIWSYALALPIYLFRVV	180						
Qy	181	PORLPGGDOEPICTTLDMPNRIGISVDFEETLNFVGLVIVISYSKILQITKARKR	240						
Db	181	PORLPGGDOEPICTTLDMPNRIGISVDFEETLNFVGLVIVISYSKILQITKARKR	240						
Qy	241	LTLSLAESHQIRVSGOQDRLFTTLPLNWSFFIMSPITITLILIONFRODLVIMP	300						
Db	241	LTLSLAESHQIRVSGOQDRLFTTLPLNWSFFIMSPITITLILIONFRODLVIMP	300						
Qy	301	SLFFWVVAFFPANSALNPILYNNSLFNNRKKIFCCFFPEKGALFTDTSVRNDLSVIS	360						
Db	301	SLFFWVVAFFPANSALNPILYNNSLFNNRKKIFCCFFPEKGALFTDTSVRNDLSVIS	360						
Qy	361	S 361							

QY 61 ALVVARRRRGASASLVNLFCAADLFTSAIPLVAVRWTEAMLGPVCHLLFYWTM 120
DB 61 ALVVARRRRGASASLVNLFCAADLFTSAIPLVAVRWTEAMLGPVCHLLFYWTM 120
QY 121 SGSVTITLLAASLERMVCIVLRGSGPGRTOAALLAFIWSGSAALAPLYTLFRV 180
DB 121 SGSVTITLLAASLERMVCIVLRGSGPGRTOAALLAFIWSGSAALAPLYTLFRV 180
QY 181 PORLPGDQEIPICTLDWPNRIGESIMDVFEETINFLVPGVIVISYSKILQITKASRR 240
DB 181 PORLPGDQEIPICTLDWPNRIGESIMDVFEETINFLVPGVIVISYSKILQITKASRR 240
QY 241 LTLASLASESHQIRVSQODYRFLRTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
DB 241 LTLASLASESHQIRVSQODYRFLRTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
QY 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360
DB 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360
QY 361 S 361
DB 361 S 361

RESULT 5
US-09-992-331-2
; Sequence 2, Application US/09992331
; Publication No. US20030022186A1
; GENERAL INFORMATION:
; APPLICANT: FEDER, JOHN N.
; APPLICANT: MINTER, GABE
; APPLICANT: RAMANATHAN, CHANDRA S.
; APPLICANT: HAWKEN, DONALD R.
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBWY18,
; TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: D0048NP
; CURRENT APPLICATION NUMBER: US/09/992,331
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/308,540
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: 60/261,782
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: 60/248,483
; PRIOR FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-992-331-2

Query Match 85.9%; Score 1591; DB 3; Length 361;
Best Local Similarity 85.8%; Pred. No. 3.3e-143;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

DB 181 PORLPGADQEIPICTLDWPNRIGESIMDVFEETINFLVPGVIVISYSKILQITKASRR 240
QY 241 LTLASLASESHQIRVSQODYRFLRTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
DB 241 LTLASLASESHQIRVSQODYRFLRTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
QY 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360
DB 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360

RESULT 6
US-10-015-498-2
; Sequence 2, Application US/10015498
; Publication No. US20020151705A1
; GENERAL INFORMATION:
; APPLICANT: Smith, Yong
; APPLICANT: Quan, Kelli E.
; TITLE OF INVENTION: DNA Encoding Orphan SNORF49 Receptor
; FILE REFERENCE: 60134
; CURRENT APPLICATION NUMBER: US/10/015,498
; CURRENT FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: US/09/412,933
; PRIOR FILING DATE: 1999-10-05
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-015-498-2

Query Match 85.9%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 3.3e-143;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

QY 1 MSPCAQTGPGPHTLDQVNRTHPPFSDVKGDRHVLAVSVETTVGLIFVSLGNGVC 60
DB 1 MSPCARAAGDAPLRSLQANRTRPPFSDVKGDRHVLAVSVETTVGLIFVSLGNGVC 60
QY 61 ALVVARRRRGASASLVNLFCAADLFTSAIPLVAVRWTEAMLGPVCHLLFYWTM 120
DB 61 ALVVARRRRGASASLVNLFCAADLFTSAIPLVAVRWTEAMLGPVCHLLFYWTM 120
QY 121 SGSVTITLLAASLERMVCIVLRGSGPGRTOAALLAFIWSGSAALAPLYTLFRV 180
DB 121 SGSVTITLLAASLERMVCIVLRGSGPGRTOAALLAFIWSGSAALAPLYTLFRV 180
QY 181 PORLPGDQEIPICTLDWPNRIGESIMDVFEETINFLVPGVIVISYSKILQITKASRR 240
DB 181 PORLPGDQEIPICTLDWPNRIGESIMDVFEETINFLVPGVIVISYSKILQITKASRR 240
QY 241 LTLASLASESHQIRVSQODYRFLRTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
DB 241 LTLASLASESHQIRVSQODYRFLRTLFLMVSFFIMSPITITILLIQNPRODLVWP 300
QY 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360
DB 301 SLFFWVVAFTFANSALNPILYNMGLFRNEMWKIFCCFFPEKGAIFTDTSVRNDLSVIS 360

RESULT 7
US-10-086-181-2
; Sequence 2, Application US/10086181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; TITLE OF INVENTION: DISORDERS, INCLUDING OBESITY AND DIABETES
; FILE REFERENCE: NMI-220
; CURRENT APPLICATION NUMBER: US/10/086,181
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655


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; Publication No. US20030166061A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1 G-Protein Coupled Receptcc
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/075,987
; PRIORITY FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: US/09/261,599B
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PR
; ORGANISM: Homo sapiens
US-10-075-987-1

Query Match      85.9%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 3,3e-143;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

QY      1 MSPECAQTGPGSHTLDQVNRTHPPFSDVKGDHRLVLVSVEYTVLGLIFPVSLIGANC 60
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DB       1 MSEPCARAAADAPRSLSEQNARTFPFSDVDKGDHRLVLAAYETTVLVIFAVSLIGNVC 60

QY      61 ALVLVARRRRRGASASIVLNLFCDLLFTSAIPVLVVRWTEAMTLGPVCHLLFFVTMT 120
        |||||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB       61 ALVLVARRRRRGATACIVLNLFCDLLFTSAIPVLVLRWTAMTLGPACHLLFFVTML 120

QY      121 SGSVTILTTAAVSLERNVICVRLRGLSGPGRRTOALLAFIIGYSALAAPLYILFRVV 180
        |||||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB       121 SGSVTILTTAAVSLERNVICVHLGRGVGPGRRARAVALLATIMGSVAVALPLCVFERVV 180

QY      181 PORLPBGDDQRIPTCTLDMPNRIGISMDVFETNLFLVPGLYIVISYKILLDTTKSRKK 240
        |||||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB       181 PORLPBADQDISICTLTMPITPGBISMDVSEVTLNPLVGLIVISYSKIIDITKSRKK 240

QY      241 LRTSLAYSESHQRVSGOQDYRLFRTLFLMWSPFIIMSPIITIIILILIQNFRODLVIMP 300
        |||||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB       241 LVTSLAYSESHQIRVSGODRRLFRTLFLMWSFFIIMSPIITIIILILIQNFRODLVIMP 300

QY      301 SLFFMVVAFTFANSALNPILIYNMSLFRNEMRKIFCCCFEPPEKGAIFTDTSVRNDLSVIS 360
        |||||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
DB       301 SLFFMVVAFTFANSALNPILIYNMTLCRNEMWKIFCCCFEPPEKGAILTDTSVRNDLSVIS 360

RESULT 11
US-10-149-826-20
; Sequence 20, Application US/10149826
; Publication No. US2004022431A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: BURGARD, Neil
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: AU-YOUNG, Janice
; APPLICANT: YANG, Junming
; APPLICANT: LU, Dyrung Alina M.
; APPLICANT: REDDY, Roopa
; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: PI-0001 PCT
; CURRENT APPLICATION NUMBER: US/10/149,826
; PRIORITY FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/172,852; 60/171,732; 60/176,148; 60/177,331
; PRIOR FILING DATE: 1999-12-10; 1999-12-22; 2000-01-14; 2000-01-21
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 20
; LENGTH: 361
; TYPE: PR
; ORGANISM: Homo sapiens
; FEATURE:

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[illegible]

Db 181 PQRPGADQEIISCTITLWPTIPGEISWDVSFVTLNPLVGLVIVISYSKILQITKASRR 240
Qy 241 LFTSLAVSESHQIRVSGQDRLFRITFLMVSPFIMSPITITLILIONFRODVIYMP 300
Db 241 LFTSLAVSESHQIRVSGQDRLFRITFLMVSPFIMSPITITLILIONFRODVIYMP 300
Qy 301 SLEFWVAFTFANSALNPILYNNSLFRNEMRKIFCCFPPEKGAIFTDTSVRNDLSVIS 360
Db 301 SLEFWVAFTFANSALNPILYNNMLCRNEMKIFCCFPPEKGAILTDTSVKNDLSIIS 360

RESULT 13
US-09-995-225-8
; Sequence 8, Application US/09995225
; Publication No. US20020193584A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Kuoping
; APPLICANT: Chu, Zhi Liang
; APPLICANT: Dang, Huong T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Pride, Cameron
; TITLE OF INVENTION: Endogenous And No. US20020193584A1-Endogenous Versions of Human G
; FILE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0308
; CURRENT APPLICATION NUMBER: US/09/995,225
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: PET/US99/23938
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/253,404
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/255,366
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/270,286
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,365
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/270,266
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,032
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,358
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,356
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/290,917
; PRIOR FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: 60/309,208
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: No. US20020193584A1el Sequence
US-09-995-225-8

Query Match 85.4%; Score 1583; DB 3; Length 361;
Best Local Similarity 85.6%; Pred. No. 1.9e-142;
Matches 308; Conservative 19; Mismatches 33; Indels 0; Gaps 0;
Qy 1 MSBECAQTGPBSHTLDQVNRTHFPFSDVKGDRHLVLSVETTVLGLIFVNSLLGNVC 60
Db 1 MSTECARAAAGDAPLRSLQANRTRFPFSDVKGDRHLVLA VETTVLIFAVSLGNCV 60
Qy 61 ALVTVARRRRGASASIVLNLFCADLLFTSAIPLVTVVRTEAMLGAVVCHLLFYVTM 120
Db 61 ALVTVARRRRGATACIVLNLFCADLLFSAIPLVTVVRTEAMLGAVVCHLLFYVTM 120

Qy 121 SGGVTILTLAAVSLERWCVIRLRGLSGPGRRTQALLAFIWGSALAALPLYILFRV 180
Db 121 SGGVTILTLAAVSLERWCVIRLRGLSGPGRRTQALLAFIWGSALAALPLYILFRV 180
Qy 181 PQRPGDQEIPICTIDMNRIGEISWDVFFETLNLVGLVIVISYSKILQITKASRR 240
Db 181 PQRPGADQEIISCTITLWPTIPGEISWDVSFVTLNPLVGLVIVISYSKILQITKASRR 240
Qy 241 LFTSLAVSESHQIRVSGQDRLFRITFLMVSPFIMSPITITLILIONFRODVIYMP 300
Db 241 LFTSLAVSESHQIRVSGQDRLFRITFLMVSPFIMSPITITLILIONFRODVIYMP 300
Qy 301 SLEFWVAFTFANSALNPILYNNSLFRNEMRKIFCCFPPEKGAIFTDTSVRNDLSVIS 360
Db 301 SLEFWVAFTFANSALNPILYNNMLCRNEMKIFCCFPPEKGAILTDTSVKNDLSIIS 360

RESULT 14
US-09-995-225-8
; Sequence 8, Application US/09995225
; Publication No. US20030139588A9
; GENERAL INFORMATION:
; APPLICANT: Chen, Kuoping
; APPLICANT: Chu, Zhi Liang
; APPLICANT: Dang, Huong T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Pride, Cameron
; TITLE OF INVENTION: Endogenous And No. US20030139588A9-Endogenous Versions of Human
; FILE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0308
; CURRENT APPLICATION NUMBER: US/09/995,225
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 09/170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: PET/US99/23938
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/253,404
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/255,366
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/270,286
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,365
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/270,266
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,032
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,358
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,356
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/290,917
; PRIOR FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: 60/309,208
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 67
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: No. US20030139588A9el Sequence
US-09-995-225-8

Query Match 85.4%; Score 1583; DB 3; Length 361;
Best Local Similarity 85.6%; Pred. No. 1.9e-142;
Matches 308; Conservative 19; Mismatches 33; Indels 0; Gaps 0;
Qy 1 MSBECAQTGPBSHTLDQVNRTHFPFSDVKGDRHLVLSVETTVLGLIFVNSLLGNVC 60
Db 1 MSTECARAAAGDAPLRSLQANRTRFPFSDVKGDRHLVLA VETTVLIFAVSLGNCV 60

Job time : 165 secs

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Db	61	ALVIVARRRRGATACVNLFCADLLFSAIPLVIVVWMTBMLGPVCHLLFFVMTL	120
Qy	121	SGSVTITLLAAVSLERMCIVHLRGLSGPGRRTQALLIATMGYSALAAPLYILFRVY	180
Db	121	SGSVTITLLAAVSLERMCIVHLOGVRRPGGRARAVLLIATMGYSAAVALPLCVFFRVY	180
Qy	181	FORLPGCGQOEIPICTLDMPNRIGESIMDVEFETLNLVPGVIVYSKILQTTKSRKR	240
Db	181	FORLPGADQEISICTLIMPTIGESIMDVSFTYTLNVLVPGVIVYSKILQTTKSRKR	240
Qy	241	LTVSLAVSESHQIRVSQODYRLFRTLFLIMVSFFIMWSPDIIITTLILILIQNPRODLVWP	300
Db	241	LTVSLAVSESHQIRVSQODFRLFRTLFLIMVSFFIMWSPDIIITTLILILIQNFQODLVWP	300
Qy	301	SLFEPVVAVFTFANSALNPLILYMSLFRNENWRKICFCEFPPEKGAFTDTSVRNDLSYS	360
Db	301	SLFEPVVAVFTFANSALNPLILYMTLCRNEMKKLFCCEFPPEKGAITDTSVRNDLSITS	360

RESULT 15
US-10-262-313-2

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? Sequence 2, Application US/10262313
? Publication No. US20030129653a1
? GENERAL INFORMATION:
? APPLICANT: Bristol-Myers Squibb Company
? TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRTMY18, EXPRESSED HIGH
? TITLE OF INVENTION: PITUITARY GLAND AND COLON CARCINOMA CELLS
? FILE REFERENCE: D0048 CIP
? CURRENT APPLICATION NUMBER: US/10/262,313
? CURRENT FILING DATE: 2002-09-30
? PRIOR APPLICATION NUMBER: U.S. 09/992,331
? PRIOR FILING DATE: 2001-11-14
? NUMBER OF SEQ ID NOS: 50
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO 2
? LENGTH: 360
? TYPE: PRT
? ORGANISM: Homo sapiens
? OS-10-262-313-2

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Query Match	85.1%	Score 1576.5	DB 4	Length 360
Best Local Similarity	85.6%	Pred. No. 8e-142		
Matches 308	Conservative 19	Mismatches 32	Indels 1	Gaps 1

Qy	1	MSPECAQCTTGGPSTLLOVNRTHPPSPSDVGDHRLVSVVETTVLGLIFVSLILGNVC	60
Db	1	MSPECARAAAGDAPLRLSEQAKRTRPPFSDVDGDRHLVLAAYETTVLVIFAVSLILGNVC	60
Qy	61	ALVLVARRRRRGASASLVNLFCADLLFTSAIPLVLVVRWTEAMLGPVACHLLPYVMTM	120
Db	61	ALVLVARRRRRGATCTVLNLFCADLLFTSAIPLVLAVRWTEAMLGPVACHLLPYVMTL	120
Qy	121	SGSVTITLLTAIVSLERWVCIVRLRGSGSPGGRTOAALLAFNGYSALAAFLPYLIFRVY	180
Db	121	SG-VTITLLTAIVSLERWVCIVHLQGVGVPGRRAAVLLALLMGYSAAVALPLCVFFRVY	179
Qy	181	PQRLPGDQEIPICTLDMPNRIIGESIMDVFFETLNLFLVGLVIVISYSKIIOITASRRR	240
Db	180	PQRPGADQESICTLWPTLPGESIMDVSFTLNLFLVGLVIVISYSKIIOITASRRR	239
Qy	241	LTLSLAVSESHQIRVSQODYRLFRITFLPLMAVSFFLMSPIITITLILILQNFRODVLVMP	300
Db	240	LTVSLAVSESHQIRVSQODFRFLRFLPLMAVSFFLMSPIITITLILILQNFRODVLVMP	299
Qy	301	SLFFWVVAFTFANSALNLPILYMSLFRNEMRKIFCCCFPEPEGALFTDTSVRNDLSVTS	360
Db	300	SLFFWVVAFTFANSALNLPILYMYTLCRNEMWKIFCCCFWPEPEGALLTDTSVRNDLSIIS	359

Search completed: December 5, 2005, 09:06:45

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OM protein - protein search, using sw model

Run on: December 5, 2005, 08:53:28 : Search time 11 Seconds
(without alignments)
157.144 Million cell updates/sec

Title: US-10-077-698-4
Perfect score: 1853
Sequence: 1 MSPECAQTGTCGSPHTLDQV.....KGALFTDTSVRNRLSVIYS 361

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 26661 seqs, 4788334 residues

Total number of hits satisfying chosen parameters: 26661

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	536	28.9	356	US-10-980-388-70	Sequence 70, Appl
2	455	24.6	140	US-10-980-388-93	Sequence 93, Appl
3	234.5	12.7	355	US-11-068-686-4	Sequence 4, Appl
4	233	12.6	417	US-10-992-577-44	Sequence 44, Appl
5	230.5	12.4	420	US-10-992-577-6	Sequence 6, Appl
6	230.5	12.4	522	US-10-510-018-2	Sequence 2, Appl
7	224	12.1	415	US-10-627-633-2	Sequence 2, Appl
8	218.5	11.8	432	US-10-992-577-2	Sequence 2, Appl
9	218	11.8	350	US-10-502-145-1	Sequence 1, Appl
10	216	11.7	419	US-11-067-884-8	Sequence 8, Appl
11	212.5	11.5	430	US-10-992-577-8	Sequence 8, Appl
12	202	10.9	352	US-11-068-686-20	Sequence 20, Appl
13	201	10.8	352	US-10-627-633-6	Sequence 6, Appl
14	201	10.8	409	US-10-627-633-4	Sequence 4, Appl
15	194	10.5	350	US-11-068-686-2	Sequence 2, Appl
16	187.5	10.1	342	US-10-980-388-117	Sequence 117, App
17	186.5	10.1	440	US-10-980-388-118	Sequence 118, App
18	170.5	9.2	358	US-10-502-893-2	Sequence 2, Appl
19	156.5	8.4	358	US-10-980-388-56	Sequence 96, Appl
20	156.5	8.4	389	US-10-980-388-116	Sequence 116, App
21	155.5	8.4	337	US-10-980-388-115	Sequence 115, App
22	154.5	8.3	364	US-11-067-884-2	Sequence 2, Appl
23	149	8.0	353	US-11-067-884-6	Sequence 6, Appl
24	147	7.9	485	US-10-821-234-934	Sequence 934, App
25	139.5	7.5	508	US-10-980-388-112	Sequence 112, App

26	129.5	7.0	351	US-11-067-884-4	Sequence 4, Appl
27	125.5	6.8	360	US-10-851-667A-26	Sequence 26, Appl
28	107	5.8	204	US-10-980-388-58	Sequence 68, Appl
29	101	5.5	313	US-11-095-093-2	Sequence 2, Appl
30	99	5.3	177	US-10-980-388-94	Sequence 94, Appl
31	93	5.0	928	US-10-841-129-4	Sequence 4, Appl
32	92.5	5.0	333	US-10-980-388-114	Sequence 114, App
33	92.5	5.0	339	US-10-821-224-1085	Sequence 1085, App
34	92	5.0	350	US-11-095-624-3	Sequence 3, Appl
35	86	4.6	287	US-10-980-388-56	Sequence 66, Appl
36	85.5	4.6	181	US-10-980-388-100	Sequence 100, App
37	85.5	4.6	330	US-10-980-388-91	Sequence 91, Appl
38	85	4.6	350	US-11-095-624-4	Sequence 4, Appl
39	83	4.5	336	US-10-980-388-120	Sequence 120, App
40	83	4.5	449	US-10-821-234-1075	Sequence 1075, App
41	83	4.5	928	US-10-841-129-6	Sequence 6, Appl
42	82.5	4.5	311	US-10-980-388-111	Sequence 111, App
43	82.5	4.5	311	US-10-980-388-113	Sequence 113, App
44	82.5	4.5	391	US-11-082-389-172	Sequence 172, App
45	82.5	4.5	391	US-11-082-389-174	Sequence 174, App

ALIGNMENTS

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RESULT 1
US-10-980-388-70
Sequence 70, Application US/10980388
Publication No. US20050255490A1
GENERAL INFORMATION:
APPLICANT: Vogeli, Gabriel
APPLICANT: Parodi, Luis A.
APPLICANT: Hiebsch, Ronald R.
APPLICANT: Lind, Peter
APPLICANT: Kaytee, Paul S.
APPLICANT: Huff, Valerie
APPLICANT: Huff, Rita M.
APPLICANT: Wood, Linda S.
FILE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related App
FILE REFERENCE: 00325.US1
CURRENT APPLICATION NUMBER: US/10/980,388
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/791,932
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/184,305
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,304
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,303
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,397
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,247
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/188,880
PRIOR FILING DATE: 2000-03-13
PRIOR APPLICATION NUMBER: 60/217,369
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/217,370
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/218,492
PRIOR FILING DATE: 2000-07-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 184
SOFTWARE: PatentIn version 3.0
SEQ ID NO 70
LENGTH: 356
TYPE: PRT
ORGANISM: Homo sapiens
Query Match 28.9% Score 536; DB 6; Length 356;
Best Local Similarity 73.2%; Pred. No. 3,7e-35;
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RESULT 4
US-10-992-577-44
Sequence 44, Application US/10992577
Publication No. US20050260687A1
GENERAL INFORMATION:
APPLICANT: Gerald, Christophe P. G.
APPLICANT: Jones, Kenneth A.
APPLICANT: Bontini, James A.
APPLICANT: Borowaky, Beth E.
APPLICANT: Craig, Douglas A.
TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
FILE REFERENCE: 57155-D/JPM
CURRENT APPLICATION NUMBER: US/10/992,577
CURRENT FILING DATE: 2004-11-18
PRIOR APPLICATION NUMBER: US/09/538,036
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 09/405,558
PRIOR FILING DATE: 1999-09-24
PRIOR FILING DATE: 1999-02-22
PRIOR FILING DATE: 1999-02-22
PRIOR APPLICATION NUMBER: 09/161,113
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 71
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 44
LENGTH: 417
TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-992-577-44

Query Match 12.6%; Score 233; DB 6; Length 417;
Best Local Similarity 23.8%; Pred. No. 2.6e-13;
Matches 82; Conservative 70; Mismatches 141; Indels 52; Gaps 16;
QY 21 NRTHPFSDVKG-----HRLVSVVETVLGIFFVSLIGN-VCALVVARRRRGA 73
DB 20 NDTHPMSDINTYNYVYHQPVAIFISYFLIFLCMNGTVCFFVIRNRKMTV 79
QY 74 SASLVNLFCDLLE-TSAIPLVVWRTEAMLGPVCHLLFYVMTSGSVTLLTA 132
DB 80 TNFIFNLAIIDLVGIFCMPITLLDNIAGMPGSSCKISGLVQGSVAASVFTLVAI 139
QY 133 SLEWVCIVLRRLSGR-----RTQALLAFIWSALAAPLYLFRVVPQ----- 182
DB 140 AVDRFCVVY-----PFKPKLTVKTAFAVIMIVIMIGLAITIMPSAIMLVQEKYRV 192
QY 183 RLPGDDEIRI-CTLDMPNR-IGESWDVEFTLNFVPLVIVISYKI-LQITKASR 238
DB 193 RLSSHNTSTVYWCREDPNOEMRKIYTVLPATV-YLAPSLVIMYARIGASLFTISA 251
QY 239 KRLTSLAYSESHQIRVSOQDYRLFRLLFLLMVSFFIMSPITILLILIONFRQ---- 294
DB 252 H-----STGKQRLQGMHVSKKQKVIKMLLTVALFILSWLPL---WTLMLSDVADLSPN 304
QY 295 -----DLVWPSLFFWVAFTPANSALNPILYNMSPFRNEMRKIF 334
DB 305 KLRVINIYVYF-FAHWL---AFGNSVNPILY--GFENENFRSGF 343

RESULT 5
US-10-992-577-6
Sequence 6, Application US/10992577
Publication No. US20050260687A1
GENERAL INFORMATION:
APPLICANT: Gerald, Christophe P. G.
APPLICANT: Jones, Kenneth A.
APPLICANT: Bontini, James A.
APPLICANT: Borowaky, Beth E.
APPLICANT: Craig, Douglas A.
TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors

TITLE OF INVENTION: And Uses Thereof
FILE REFERENCE: 57155-D/JPM
CURRENT APPLICATION NUMBER: US/10/992,577
CURRENT FILING DATE: 2004-11-18
PRIOR APPLICATION NUMBER: US/09/538,036
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 09/405,558
PRIOR FILING DATE: 1999-09-24
PRIOR FILING DATE: 1999-02-22
PRIOR APPLICATION NUMBER: 09/161,113
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 71
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 420
TYPE: PRT
ORGANISM: Homo sapiens
US-10-992-577-6

Query Match 12.4%; Score 230.5; DB 6; Length 420;
Best Local Similarity 23.8%; Pred. No. 4.2e-13;
Matches 84; Conservative 70; Mismatches 144; Indels 55; Gaps 17;
QY 15 HTLDQVNRTHPPFSDVKG-----HRLVSVVETVLGIFFVSLIGNVCALVVAR 68
DB 14 HPINNVDTKHLVSDINTYNYVYHQPVAIFISYFLIFLCMNGTVCFFVIRNRK 73
QY 69 RRGASASL-VNLFCDLLE-TSAIPLVVWRTEAMLGPVCHLLFYVMTSGSVTI 126
DB 74 KHMVTNINLFNLAIIDLVGIFCMPITLLDNIAGMPGNTCKISGLVQGSVAASV 133
QY 127 LTLAASLERWVCIVLRRLSGR-----RTQALLAFIWSALAAPLYLFRVVP 181
DB 134 FTLVAIVDRFCVVY-----PFKPKLTVKTAFAVIMIVIMIGLAITIMPSA 186
QY 182 Q-----RLPGDDEIRI-CTLDMPNR-IGESWDVEFTLNFVPLVIVISYKI--- 230
DB 187 EKYRVNLNQNCKSPYWCREDPNOEMRKIYTVLPANI-YLAPSLVIMYGRIGIS 245
QY 231 ---LQITKASRKRLTSLAYSESHQIRVSOQDYRLFRLLFLLMVSFFIMSPITILLI 287
DB 246 LFRAAVDHTGRKN-----QEQWHV-VSRKKQIKMLLTVALFILSWLPLWTLMLS 297
QY 288 -----LIONFRQ---DLVWPSLFFWVAFTPANSALNPILYNMSPFRNEMRKIF 334
DB 298 DYADLSPNEQIINIYVYF-FAHWL---AFGNSVNPILY--GFENENFRSGF 344

RESULT 6
US-10-510-018-2
Sequence 2, Application US/10510018
Publication No. US20050244896A1
GENERAL INFORMATION:
APPLICANT: Goitz, Stefan
APPLICANT: Bruggemeier, Ulf
APPLICANT: Weingarten, Bernhard
TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
FILE REFERENCE: Le A 35 945
CURRENT APPLICATION NUMBER: US/10/510,018
CURRENT FILING DATE: 2004-10-01
PRIOR APPLICATION NUMBER: PCT/EP2003/002362
PRIOR FILING DATE: 2003-03-21
PRIOR APPLICATION NUMBER: EP 02007270.8
PRIOR FILING DATE: 2002-04-02
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn version 3.3
SEQ ID NO 2
LENGTH: 522
TYPE: PRT
ORGANISM: Homo sapiens
US-10-510-018-2

Query Match	12.4%	Score 230.5	DB 6	Length 522
Beet Local Similarity	23.8%	Pred. No. 5.3e-13		
Matches	84	Conservative	70	Mismatches 143, Indels 55, Gaps 17
Qy	15	HTLDVONTHTPPFSDVKD-----HNLVSVETVTGLIFVSLIGNVCALVLVARR	68	
Db	116	HPIMVNDTGNHLYEDINITYVYVYLHQVQVALIITISYELIFLCMMGNVTVCITWRN	175	
Qy	69	RRRGASAL-VLNFECADLF-TSAIPLVLVVRWTEAMLGGVCHLLFYVTMGSVYTI	126	
Db	176	KHMTVTVTLFILNLISDLLVGI FCMPIITLLDNIITAGWPGCTWCKISGLVGISVASV	235	
Qy	127	LTLVAASLERNCVYLRKRGSGPER-----RTQALALFTMGYSALDALPYILFRVVP	181	
Db	236	FTLVAIVADRQCVVY-----PKPKTKITKTARVITIMVWLITITMSPEAVMLHVOE	288	
Qy	182	Q-----RLPGGDQPIPI-CTLDWENR-IGESIMVFPETLPLVPGVIVISYSKI---	230	
Db	289	EKYVRVRLNSQNKTSFVYWCREDWNOEMRKITYTVLPRANT-YLPLPSLIYVMGRIGIS	347	
Qy	231	--LQITKASRKRLTSLAYSESHQIRVSOQDQYRLFTLFLMVSFFTWMSDIIITILDI	287	
Db	348	LFRAAVPHTGRKN-----GEQMHV-VSRKKOKIKMLLIVALLFISLWPLMTLMMS	399	
Qy	288	-----LIONFRQ-DLVIMPSLFFWVVAFTFANSALNPILYMSLPRNENRKIF	334	
Db	400	DYADISPELQIDINIYIV-FAHWI-----AFGSSVNPILY-GFNEENRRQF	446	

```

RESULT 7
US-10-627-633-2
| Sequence 2, Application US/10627633
| Publication No. US20050250720A1
| GENERAL INFORMATION:
| APPLICANT: Charles, Andrew David
| APPLICANT: Brennand, John Charles
| APPLICANT: Hart, Kevin Anthony
| TITLE OF INVENTION: Novel Compound
| FILE REFERENCE: 1991-221
| CURRENT APPLICATION NUMBER: US/10/627,633
| CURRENT FILING DATE: 2003-07-28
| PRIOR APPLICATION NUMBER: 09/722,342
| PRIOR FILING DATE: 2000-11-28
| PRIOR APPLICATION NUMBER: 60/172,146
| PRIOR FILING DATE: 1999-12-17
| NUMBER OF SEQ ID NOS: 6
| SOFTWARE: PatentIn version 3.2
| SEQ ID NO 2
| LENGTH: 415
| TYPE: PRT
| ORGANISM: Homo sapiens
US-10-627-633-2

Query Match      12.1%; Score 224; DB 6; Length 415;
Beet Local Similarity 23.1%; Pred. No. 1.5e-12;
Matches 80; Conservative 76; Mismatches 147; Indels 44; Gaps 14

OY      5 CAOTTGPGBSHTLDOWNRTHPPFFSDVKGDHRLVLSVETTV---LGLIFVSLGN-- 58
DB      28 CTERTPPLPISOYLMIASERH--SMNSNQTDLHYVLKPGEVATASJFGLIWLFSIFGSNL 85
OY      59 VCAALVALVARRRRGASASLVNLPCADLLFT-SAIPLVIVVRWTEAMLGIPVACHLFLVV 117
DB      86 VC-LVIHSRKROSTTNRFVVMACADDILISVASIPFVLIOPTTGRMTLGSATCKVKRF 144
OY      118 MTMSGSVITLTAAVSLEBWCIVRLRGLSGPGRTOQ-ALLAFIWGYSAALAPLYTL 176
DB      145 QYLTFGVGIYVLISICIDRFYTIV---YPLSFKVSRBKAKKIMIASMIFDAGFPVPVLPF 201
OY      177 FRVVGQRLRPGCOEPICTLDMPNRIGELSMDFPEFTLNFLVPLGLVIVSYSKIOT--- 233
DB      202 Y-----GSNMDSHCNYPFLSSNEGTAAYIHFLGVGFVPSVLIILFYOKVXIKYIWR 252

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QY      234  --TKASRRLTLSTAVSSHQNRVQODYRLPRTFLVAVSEFIMSPILITLL--ILIG 250
Db      253  ICTGRGTRRRIMNT-----VRTKVKTIKMLINLILNLLLSLPRHNAVDMYRNEQ 303
QY      291  NFRQDLVTPSLFFVWVAFTFANSLAPILNYM--SLFENRKRKIFC 335
Db      304  DYKSSLVFTAI-TWI-----SFSSSKSKPLVSIYNNAFRGMKETFC 346

```

```

RESULT 8
US-10-992-577-2
; Sequence 2, Application US/10992577
; Publication No. US20050260687A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe P.G.
; APPLICANT: Jones, Kenneth A.
; APPLICANT: Bonini, James A.
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Craig, Douglas A.
; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
; TITLE OF INVENTION: And Uses Thereof
; FILE REFERENCE: 57155-D/CPW
; CURRENT APPLICATION NUMBER: US/10/992,577
; CURRENT FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US/09/538,036
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/405,558
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 09/255,368
; PRIOR FILING DATE: 1999-02-22
; PRIOR APPLICATION NUMBER: 09/161,113
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-992-577-2

```

[illegible]


```
; Publication No. US2005024406A1
; GENERAL INFORMATION:
; APPLICANT: MACKAY, CHARLES REAY
; TITLE OF INVENTION: Anti-C5ar antibodies and uses thereof
; FILE REFERENCE: RICE-032
; CURRENT APPLICATION NUMBER: US/10/502,145
; CURRENT FILING DATE: 2004-07-19
; PRIOR APPLICATION NUMBER: USN 60/350,961
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 350
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-502-145-1

Query Match      11.8%; Score 218; DB 6; Length 350;
Best Local Similarity 23.8%; Pred. No. 4,1e-12;
Matches 83; Conservative 63; Mismatches 133; Indels 70; Gaps 12;

QY 38 VLAVETTVAGLIVVSLGNVCLVVARRRRGASASLVNLCADLFTSAIPLV 97
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 35 VPDILALVIFAVVFLVGLGNALVYVWYAFPAKRTINAIWFLNLAVADFLSCLAPL 94
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 98 -VRTEAMLGPVVCCHLFFVMTSGSVTLTLAAVSLERWVCIVR--LRGLSGPGRT 154
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 95 SIYVHHMPFGAACSILPSILINMVASILLTLTISDRPLVFKPIWCNFGAGLAW 154
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 155 QALLAFIWSYSAALPLVYLFRVVPQRLPGDOEIP---ICTLDMP-NRIGISMDVF 210
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 155 IACAVA--WGLALLLTIPSF-LYRVV-----REYFPKVLCCGVDSHDDRRAVAIV 205
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 211 FETINFLVPGVIVISKILQIT--KASKRLTSLANSESHQIRVQODYLFPTLF 267
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 206 RLVGFLMPLTLTICYTFLILRTMSRRATSTKTL-----KVVV 245
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 268 LNAVSPFIMSPILIT--ILLLIQNFRQDLYIMSPFVAVAFTFANSALNPILYNM-- 323
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 246 AVAVSFIFMLVPGVVTGLMGSFLSPSEFTFLKLKLSLCVSFAYINCINPIIYVAGQ 305
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 324 -----SLFRNEMRKIFCCFPPEKGAIFTDTSVRNDASVSS 361
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 306 GFGRLKSLPSLARN-----VLTEESVAVESHSFTRS 338
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 10
US-11-067-884-8
; Sequence 8, Application US/11067884
; Publication No. US20050261252A1
; GENERAL INFORMATION:
; APPLICANT: Miller, Duane D.
; APPLICANT: Tigy1, Gabor
; APPLICANT: Dalton, James T.
; APPLICANT: Sardar, Vaneet M.
; APPLICANT: Elrod, Don B.
; APPLICANT: Xu, Huiping
; APPLICANT: Baker, Daniel L.
; APPLICANT: Wang, Dean
; APPLICANT: Lallom, Karoly
; APPLICANT: Flascher, David J.
; APPLICANT: Vitag, Tamaz
; APPLICANT: Nuber, Nora
; TITLE OF INVENTION: LPA RECEPTOR AGONISTS AND ANTAGONISTS AND METHODS OF
; FILE REFERENCE: 20609/305
; CURRENT APPLICATION NUMBER: US/11/067,884
; CURRENT FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: 60/190,370
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 09/811,838
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 26
```

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 419
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-067-884-8

Query Match      11.7%; Score 216; DB 7; Length 419;
Best Local Similarity 23.4%; Pred. No. 7,2e-12;
Matches 81; Conservative 54; Mismatches 145; Indels 66; Gaps 13;

QY 20 VNRTHPEFSDVKGDHRLVLSVETTVGLIFVSLIGN-VCALVTVARRRRRGASASLV 78
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 VNSTAVPTTPAFAKSLNLPLOITLSAMIFLPFSFIGNLVCLMVQKAMRSAINILL 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 79 LNFCADLFTSA-IPVLVVRWTEAVLDGVBCH--LFFVMTSGSVTTLTLAAVSL 134
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 121 ASLAFADMLLAVLNMPALVTILTRWIFGKFCRVGAMFVFLVIEG---VAILLIISI 177
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 135 ERMVCYRLRGLSGPERRQALLAFIWSYSAALPLVYLFRVVPQRLPGDOEIP--- 191
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 178 DRFLITVQ-RQDKLNPYR-AKVLIASWMTSFCVAPPLAV-----GNPDLOIP 223
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 192 ---PICTLDMPNRIGESMDVFPEFTLNFVPGVIVISYKILQITKASRKRLTSLAYS 248
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 224 SRAPQCVFQYTTNGYQAVYILISIFIPVILVISPFGILNTLHNLARI-----HS 278
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 249 ESHQIRVSGD-----YRLFTLFLMWSFIMWSPIIITLIL 288
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 279 YPEGICLSQASKLGLMSLQRPQWSIDMGFKTRAFITLILFAVFIWMAFP--TYSL 335
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 289 IQRNRODLVIMPSLF---FWVVAFTFANSALNPILYNMSLPRNEMR 331
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 336 VATFSKHFVYQHNFESTWLMCLYKLSALNPLIY-----YMR 374
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 11
US-10-992-577-8
; Sequence 8, Application US/10992577
; Publication No. US20050260687A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe P.G.
; APPLICANT: Jones, Kenneth A.
; APPLICANT: Bonini, James A.
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Craig, Douglas A.
; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FR (NPFF) Receptors
; FILE REFERENCE: 57155-D/JPW
; CURRENT APPLICATION NUMBER: US/10/992,577
; CURRENT FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US/09/538,036
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/405,558
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 09/255,368
; PRIOR FILING DATE: 1999-02-22
; PRIOR APPLICATION NUMBER: 09/161,113
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-992-577-8

Query Match      11.5%; Score 212.5; DB 6; Length 430;
Best Local Similarity 26.0%; Pred. No. 1,5e-11;
Matches 86; Conservative 55; Mismatches 139; Indels 51; Gaps 16;

QY 35 HRLVSVETTVAGLIVVSLGN--VCALVTVARRRRRGASASLVNLCADLFTSA 91
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

Db 38 HTSPVAMFIVAYALIFLLCMVGNLTVCFIVL-KNEMHTVTNMFTILNLAVSDDLGVIFC 96
QY 92 IELVIVVRTEAALLEGVCHLLLFYVMTSGSVTITITLAVSLERAVCYR-----LR 144
Db 97 MPTTLVDNLTITGPFNATCKMSGLVQGSVSASVFLVAIAVERRCIVHPREKLTJR 156
QY 145 RGLSGGRRTQALLAFIWMGVSALAAFLYILFRVVPQR-----LPGDDEIFI--CTLDW 198
Db 157 KAL-----VTIAVIMALLIMCPSAVTLTVREHFMVDARNSYPLXSCMEW 207
QY 199 PNR-IGEISWDFEFTLNFPLVPGUVISYSKILQITKSRKRLTL--SLAYSESHQIR 254
Db 208 PEKGMRRVYTVTVFSSH-YLAIPALIVMYARI-----ARKLCQAPGAPGGEFADADR 260
QY 255 VSGQDRLPRTLFLVWVSFIMSPITITITLLIIONFRQDVIWPSL-PFWVVAFTFA- 312
Db 261 ASRRRARVVMVLMVWVLFETLSWLPWALLLLI---DYGO--LSAQQLVTVYVAFPAFH 315
QY 313 -----NSALNPILYNMSLFRNEMRKIFCCPF 338
Db 316 WLAFFNSSANPIIY--GYFMENFRGRFOAAF 344

RESULT 12
US-11-068-686-20
; Sequence 20, Application US/11068686
; Publication No. US20050260565A1
; GENERAL INFORMATION:
; APPLICANT: Gray, Patrick W.
; ; Schweickart, Vicki L.
; ; Raport, Carol J.
; TITLE OF INVENTION: Chemokine Receptor Materials and Methods
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/068,686
; FILING DATE: 28-Feb-2005
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Noland, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 27866/33670
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEFAX: 312-474-0448
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-11-068-686-20

Query Match 10.9%; Score 202; DB 7; Length 352;
Best Local Similarity 23.1%; Pred. No. 9,4e-11;
Matches 83; Conservative 51; Mismatches 129; Indels 96; Gaps 16;
QY 49 LIFVVSLLGN-CALVIVARRRRGASASLVNIFCADLFTSAIPLVIVRWTE---A 103
Db 39 LVFIFGVGNLVLLINCKRLKSMYDILNLAIASDLFLTLVFP-----WAVYAAQ 93

QY 104 WILGPVCHL---LFFVMTSGSVTITLAAVSLERMVCIVRRLRGLSGPGRRTQALLA 160
Db 94 WDFGNMTQOLLGVIFGFSGIFPFIIL---TIRYLAIVHVAVFLKARTVTFGVVTSV 150
QY 161 FIVGVSALAAPLYLIFR-----VFPQLPGDDEIFICTLWPNRIGEISWVFE 212
Db 151 IMWVAVAFASLPGIIFTRQREGHLHYTCSHPFSOYQP-----WKN-----RQ 194
QY 213 TILNPLVPGVI-----VISYSKILQITKSRKRLTSLAVSESHQIRVSGQDRLPRTL 267
Db 195 TLKMWYLGVLVPLLWVNYICSGILK-----TLL-----KRNKKRHRAVRLIF 238
QY 268 LVMSEFFIMSPITITITLILIONF-----RODLVWPSLFFWVVAFTFANGA 315
Db 239 TIMIVYFLMAVYNIILLNTFQEFGLNCCSSNRNLDQAMQVTELT-----GMTTCC 291
QY 316 LNPILYNM--SLFRNEMRKIF-----CCFFP---PEKGAIFTTSVRANDLSV 358
Db 292 IMPIIYAFGEKFRNVLVVFQKRIAKRCKCCSIFQDEAPERASSVYTRSTGEORISV 350

RESULT 13
US-10-627-633-6
; Sequence 6, Application US/10627633
; Publication No. US20050250720A1
; GENERAL INFORMATION:
; APPLICANT: Charles, Andrew David
; APPLICANT: Brennard, John Charles
; APPLICANT: Hart, Kevin Anthony
; TITLE OF INVENTION: Novel Compound
; FILE REFERENCES: 1991-221
; CURRENT APPLICATION NUMBER: US/10/627,633
; PRIOR FILING DATE: 2003-07-28
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 60/172,146
; PRIOR FILING DATE: 1999-12-17
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 6
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-627-633-6

Query Match 10.8%; Score 201; DB 6; Length 352;
Best Local Similarity 23.7%; Pred. No. 1.1e-10;
Matches 71; Conservative 65; Mismatches 126; Indels 38; Gaps 12;
QY 48 GIUFVVSLLGN--VCALVIVARRRRGASASLVNIFCADLFT-SAIPLVIVRWTEAW 104
Db 32 GAMLMSIFGNSLYVC-LVHRSRRTOSTNYLVVSNACADLISVASTPVPVVOFTTGRV 90
QY 105 LUGPVVCHLLFYVMTSGSVTITLAAVSLERAVCYRLRGLSGGRRTQA-ALLAFIV 163
Db 91 TLGSAMCKVRYFQYLTLPQGIYVLLSICIDREYTV---YPLSFVSEKAKRMIAASW 147
QY 164 GYSALAAALPLXYLIFRVVPPQLPGDDEIFICTLWPNRIGEISWDFEFTLNLVGLV 223
Db 148 ILDAAFVTVVFFPY-----GSNWDSHCNVFLPPSEGTAVTYIHLVGVIVSVLI 198
QY 224 VISYSKILQI-----TKASRKRLTSLAYSESHQIRVSGQDRLPRTLFLVWVSFIM 278
Db 199 ILFYQVYIKYIRIGIDGKTLRKTMI-----VPRTKVTVVMFLFNLVFLPSWL 249
QY 279 PIITITLL-ILIONFRQDVIWPSLFFWVVAFTFANSALNPILYNM--SLFRNEMRKIFC 335
Db 250 PFIIVAGLMPHBEQYKSSIVFTAV-TWV---SFSSASAKPTLYSIYNANFRGMKETFC 305
RESULT 14
US-10-627-633-4
; Sequence 4, Application US/10627633

Publication No. US20050250720A1
 GENERAL INFORMATION:
 APPLICANT: Charles, Andrew David
 APPLICANT: Brennand, John Charles
 APPLICANT: Hart, Kevin Anthony
 TITLE OF INVENTION: Novel Compound
 FILE REFERENCE: 1991-221
 CURRENT APPLICATION NUMBER: US/10/627,633
 PRIOR FILING DATE: 2003-07-28
 PRIOR APPLICATION NUMBER: 09/722,342
 PRIOR FILING DATE: 2000-11-28
 PRIOR APPLICATION NUMBER: 60/172,146
 PRIOR FILING DATE: 1999-12-17
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO 4
 LENGTH: 409
 TYPE: PRT
 ORGANISM: Mus musculus
 US-10-627-633-4

Query Match 10.8%; Score 201; DB 6; Length 409;
 Best Local Similarity 22.6%; Pred. No. 1.3e-10;
 Matches 78; Conservative 74; Mismatches 153; Indels 40; Gaps 13;

QY 5 CAQTGPGSPHTLDQVNRTHPPFSDVKGDRHLVLSVETTVL--GLIFVSLGN--VC 60
 DB 22 CAEAAEALLPGLMGLHEHSMNSRTELQVELNGEVATASIFFGALMFSIFGNSLVC 81
 QY 61 ALVAVARRRRGASASLVNLFCAADLFT-SAIPLVVVRMTAVLGGPVVCHLLFYVMT 119
 DB 82 -LVHRSRSTOSTNYFVVSMACADLLISVASTPVPVQFTTGRTLSAMCKVRYQY 140
 QY 120 MSGSVTITLTAVSLERNVCIYRLRGISGPRQTQA-ALLAFIWGYSALALPLIYLIF 178
 DB 141 LTPGQIVLVLSICIDRFYITV--YPLSPKVSREKAKMIAASWILDAFVTVPVFFY- 196
 QY 179 VVPQRLPGDDEIPICITLDMRNRIEISMDVPFETLNLVPGLVIVISYKILQI----- 233
 DB 197 -----GSMWDSHCNVPFLPPSMEGTAYTVIHFLVGVFIPSIILFLYQKVIKWIIG 248
 QY 234 TKASRKRLTSLAVSESHQIRVSQDYRLFRTLFLMWSPFIMSPITITILL-ILIONF 292
 DB 249 TDGRTLRRTNMI-----VPRKXKTVKMFLLNLVFLPSMLPFRVAQLMHPHEDY 299
 QY 293 RQDLVWPSLFFVVAFTFANSALNPILYNN--SLFENWRKIFC 335
 DB 300 KKSLLVFTAV-TWV---SFSSASAKPTLYSIYNANFRGKMETFC 340

RESULT 15
 US-11-068-686-2
 Sequence 2, Application US/11068686
 Publication No. US20050260565A1
 GENERAL INFORMATION:
 APPLICANT: Gray, Patrick W.
 APPLICANT: Schweickart, Vicky L.
 APPLICANT: Raport, Carol J.
 TITLE OF INVENTION: Chemokine Receptor Materials and Methods
 NUMBER OF SEQUENCES: 20
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 STREET: 6300 Sears Tower, 233 S. Wacker Drive
 CITY: Chicago
 STATE: Illinois
 COUNTRY: USA
 ZIP: 60606
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/11/068,686
 FILING DATE: 28-Feb-2005
 CLASSIFICATION: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Noland, Greta E.
 REGISTRATION NUMBER: 35,302
 REFERENCE/DOCKET NUMBER: 27866/33670
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-474-6500
 TELEFAX: 312-474-0448
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 352 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 FEATURE:
 NAME/KEY: misc feature
 OTHER INFORMATION: /= "88C amino acid sequence"
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-11-068-686-2

Query Match 10.5%; Score 194; DB 7; Length 352;
 Best Local Similarity 22.8%; Pred. No. 4.5e-10;
 Matches 82; Conservative 52; Mismatches 129; Indels 96; Gaps 16;

QY 49 LIFVSLGNVCA-LVAVARRRRGASASLVNLFCAADLFTSAIPLVVVRMT-----A 103
 DB 39 LVFIFFGVGNLVILILINCKRLKSMTDIYLNLAISDLFPLLTVPF-----MAHYAAQ 93
 QY 104 WLGPVVCNL---LFTYMTSGSVTITLTAVSLERNVCIYRLRGISGPRQTQAALLA 160
 DB 94 WDFNTWCQLTGLYFIFGFSGIFITLL--TIDRYLAVHAVFALKARTVTFGVVTSV 150
 QY 161 FIMGYSALALPLYLFRVVPQRL-----PGDDEIPICITLDMRNRIEISMDVFFE 212
 DB 151 ITWVAAPASLPGIIFRSQEGHYTCSSHFYSQYF-----MKN-----FQ 194
 QY 213 TLNPLVQGLV----VISYKILQITKASRKRLTSLAVSESHQIRVSQDYRLFTLF 267
 DB 195 TLKIVILGLVPLLMVICYSGILK-----TL-----RCNNEKRRRAVRLIF 238
 QY 268 LLMWSPFIMSPITITILLIONF-----RQDLVWPSLFFVVAFTFANS 315
 DB 239 TIMIVFLFVAPNYIVLLNTFOEFFGLNCCSSNRLDQAMQVETL-----GMTHCC 291
 QY 316 LNPILYNN--SLFENWRKIF-----CCPF-----PEKGAFTDTSVRANDLSV 358
 DB 292 INPIIYAFVGEKFPNNYLLVFQKRIARFCCKCSIPOGBAPERASSVYTRSTGEQISV 350

Search completed: December 5, 2005, 09:07:01
 Job time : 12 secs

This Page Blank (uspto)

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 5, 2005, 08:35:52 ; Search time 47 Seconds
(without alignments)
635.020 Million cell updates/sec

Title: US-10-077-698-4

Perfect score: 1853

Sequence: 1 MSPCAQTTGPGSHITDQV.....KGALFTDTSVRNDSLVSIS 361

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:*
- 1: /cgn2_6/ptodata/1/1aa/5 COMB.pep:*
 - 2: /cgn2_6/ptodata/1/1aa/6 COMB.pep:*
 - 3: /cgn2_6/ptodata/1/1aa/H-COMB.pep:*
 - 4: /cgn2_6/ptodata/1/1aa/PTUS-COMB.pep:*
 - 5: /cgn2_6/ptodata/1/1aa/RE-COMB.pep:*
 - 6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1853	100.0	361	2	US-09-261-599B-4
2	1853	100.0	361	2	US-09-456-455A-4
3	1591	85.9	361	2	US-09-261-599B-1
4	1591	85.9	361	2	US-09-456-455A-1
5	1533	82.7	300	2	US-09-261-599B-7
6	1333	73.0	300	2	US-09-261-599B-6
7	310	16.7	348	2	US-08-513-974B-46
8	310	16.7	348	2	US-08-513-974B-342
9	310	16.7	348	2	US-08-993-088A-10
10	310	16.7	348	2	US-08-993-424B-10
11	310	16.7	348	2	US-08-540-650B-2
12	310	16.7	348	2	US-09-595-549-5
13	310	16.7	348	2	US-09-461-436B-46
14	310	16.7	348	2	US-09-603-680-10
15	310	16.7	395	2	US-08-900-230-5
16	309	16.7	349	2	US-08-513-974B-343
17	304	16.4	345	2	US-08-981-700A-5
18	304	16.4	346	2	US-09-199-737-5
19	304	16.4	346	2	US-08-993-088A-3
20	304	16.4	346	2	US-08-993-424B-3
21	304	16.4	346	2	US-09-058-333A-5
22	304	16.4	346	2	US-09-595-549-6
23	304	16.4	346	2	US-09-603-680-3
24	304	16.4	346	2	US-08-899-112B-30
25	304	16.4	346	2	US-09-011-553-7
26	287	15.5	444	2	US-09-426-290-2
27	287	15.5	444	2	US-09-826-509-551

28	283	15.3	444	2	US-09-119-788-2	Sequence 2, Appli
29	271.5	14.7	349	2	US-08-993-088A-11	Sequence 11, Appl
30	271.5	14.7	349	2	US-08-993-424B-11	Sequence 11, Appl
31	271.5	14.7	349	2	US-08-540-650B-5	Sequence 5, Appli
32	271.5	14.7	349	2	US-08-693-308-2	Sequence 2, Appli
33	271.5	14.7	349	2	US-09-595-549-7	Sequence 7, Appli
34	271.5	14.7	349	2	US-09-603-680-11	Sequence 11, Appl
35	271.5	14.7	349	2	US-08-981-700A-6	Sequence 6, Appli
36	271.5	14.7	351	2	US-08-513-974B-344	Sequence 344, App
37	271	14.6	380	2	US-08-676-351-5	Sequence 5, Appli
38	270.5	14.6	349	2	US-09-826-509-503	Sequence 503, App
39	269	14.5	380	2	US-08-188-275A-5	Sequence 5, Appli
40	269	14.5	380	2	US-09-351-198-5	Sequence 5, Appli
41	269	14.5	380	2	US-09-113-426-5	Sequence 5, Appli
42	263	14.2	380	2	US-08-765-743-2	Sequence 2, Appli
43	263	14.2	380	2	US-09-341-446B-2	Sequence 2, Appli
44	263	14.2	381	1	US-08-192-288-2	Sequence 2, Appli
45	263	14.2	381	1	US-08-687-355A-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1

US-09-261-599B-4

Sequence 4, Application US/09261599B

Patent No. 6395877

GENERAL INFORMATION:

APPLICANT: Glucksmann, Maria A.

TITLE OF INVENTION: 14273 Receptor, A No. 6395877e1 G-Protein Coupled Receptor

FILE REFERENCE: 5800-4B, 025800/177086

CURRENT APPLICATION NUMBER: US/09/261,599B

CURRENT FILING DATE: 1999-02-26

PRIOR APPLICATION NUMBER: 09/107,761

PRIOR FILING DATE: 1998-06-30

PRIOR APPLICATION NUMBER: 09/223,538

PRIOR FILING DATE: 1998-12-30

NUMBER OF SEQ ID NOS: 7

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 4

LENGTH: 361

TYPE: PRT

ORGANISM: Murine ortholog

US-09-261-599B-4

Query Match 100.0%; Score 1853; DB 2; Length 361;

Best Local Similarity 100.0%; Pred. No. 8.2e-163;

Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MSPCAQTTGPGSHITDQVNRTHFPFSDYKGDHRLVLSVETTVUGLIFVSLGNVC	60
Db	1	MSPCAQTTGPGSHITDQVNRTHFPFSDYKGDHRLVLSVETTVUGLIFVSLGNVC	60
Qy	61	ALVIVARRRRRGASASLVNLFCDLFTSAIPVLVVRMTAAILPVCCHLFFYMTM	120
Db	61	ALVIVARRRRRGASASLVNLFCDLFTSAIPVLVVRMTAAILPVCCHLFFYMTM	120
Qy	121	SGSVTITLLAASLERNVCIVRLRGSGGRRTQALLAFIWGYSALAAPLYILFRVV	180
Db	121	SGSVTITLLAASLERNVCIVRLRGSGGRRTQALLAFIWGYSALAAPLYILFRVV	180
Qy	181	PQRLPGDQEPICITLMPNRIIGISIDVFPETINFLVPGLVIVISYSKILQITKARKR	240
Db	181	PQRLPGDQEPICITLMPNRIIGISIDVFPETINFLVPGLVIVISYSKILQITKARKR	240
Qy	241	LTTSLAASBHQIRVSGQDRLPFTLPLVWSPFIMSPIITITLILIONPRODLVIWP	300
Db	241	LTTSLAASBHQIRVSGQDRLPFTLPLVWSPFIMSPIITITLILIONPRODLVIWP	300
Qy	301	SLFFWVAFTFANSALNPILYNNSLFENWRKIFCCFPPEKGAIFTDTSVRNDLSVIS	360
Db	301	SLFFWVAFTFANSALNPILYNNSLFENWRKIFCCFPPEKGAIFTDTSVRNDLSVIS	360

QY 361 S 361
Db 361 S 361

RESULT 2
US-09-456-455A-4
; Sequence 4, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Gluckemann, Maria A.
; APPLICANT: Teal, Fong-ying
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; CURRENT FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
US-09-456-455A-4

Query Match 100.0%; Score 1853; DB 2; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-163;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSPECAQTGPGPSHTLDVNRTHPPFSDVKGDRHLVSVETTVGLIFVVSLLGNVC 60
Db 1 MSPECAQTGPGPSHTLDVNRTHPPFSDVKGDRHLVSVETTVGLIFVVSLLGNVC 60
QY 61 ALVLVARRRRRGASASLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTM 120
Db 61 ALVLVARRRRRGASASLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTM 120
QY 121 SGSVTTLTTLAAVSLERNVCIVLRGLSGGRRTOALLAFWIGYSALAAPLIYIFRVV 180
Db 121 SGSVTTLTTLAAVSLERNVCIVLRGLSGGRRTOALLAFWIGYSALAAPLIYIFRVV 180
QY 181 PORLPGDDEIPCTLDWPNRIGISMDVPEFTLNFVLVGLVVISYSKILQITTKSRKR 240
Db 181 PORLPGDDEIPCTLDWPNRIGISMDVPEFTLNFVLVGLVVISYSKILQITTKSRKR 240
QY 241 LTLSLAVSESHQIRVSQODYRLPRTLFLMVSPFIMSPIIITLILILIONFRQDLVIWP 300
Db 241 LTLSLAVSESHQIRVSQODYRLPRTLFLMVSPFIMSPIIITLILILIONFRQDLVIWP 300
QY 301 SLFFWVAFTFANSALNPILYNNSLFRNEMRKIFCCFPPEKGAIFTDTSVRNDLSVIS 360
Db 301 SLFFWVAFTFANSALNPILYNNSLFRNEMRKIFCCFPPEKGAIFTDTSVRNDLSVIS 360
QY 361 S 361
Db 361 S 361

RESULT 3
US-09-261-599B-1
; Sequence 1, Application US/09261599B
; Patent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Gluckemann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/09/261, 599B
; CURRENT FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30

; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-261-599B-1

Query Match 85.9%; Score 1591; DB 2; Length 361;
Best Local Similarity 85.8%; Pred. No. 1.2e-138;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;
QY 1 MSPECAQTGPGPSHTLDVNRTHPPFSDVKGDRHLVSVETTVGLIFVVSLLGNVC 60
Db 1 MSPECARAAGADAPLRLEQANRRFPFSDVKGDRHLVLAAVETTVLVLFAVSLGNVC 60
QY 61 ALVLVARRRRRGASASLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTM 120
Db 61 ALVLVARRRRRGATACLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTL 120
QY 121 SGSVTTLTTLAAVSLERNVCIVLRGLSGGRRTOALLAFWIGYSALAAPLIYIFRVV 180
Db 121 SGSVTTLTTLAAVSLERNVCIVLRGVRGPGRRARVALLAFWIGYSAVVALPLCVFRRV 180
QY 181 PORLPGDDEIPCTLDWPNRIGISMDVPEFTLNFVLVGLVVISYSKILQITTKSRKR 240
Db 181 PORLPGADDEISCTLIMPTIRGEISMDVFTLNLVGLVVISYSKILQITTKSRKR 240
QY 241 LTLSLAVSESHQIRVSQODYRLPRTLFLMVSPFIMSPIIITLILILIONFRQDLVIWP 300
Db 241 LTLSLAVSESHQIRVSQODYRLPRTLFLMVSPFIMSPIIITLILILIONFRQDLVIWP 300
QY 301 SLFFWVAFTFANSALNPILYNNSLFRNEMRKIFCCFPPEKGAIFTDTSVRNDLSVIS 360
Db 301 SLFFWVAFTFANSALNPILYNNSLFRNEMRKIFCCFPPEKGAIFTDTSVRNDLSVIS 360

RESULT 4
US-09-456-455A-1
; Sequence 1, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Gluckemann, Maria A.
; APPLICANT: Teal, Fong-ying
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; CURRENT FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-456-455A-1

Query Match 85.9%; Score 1591; DB 2; Length 361;
Best Local Similarity 85.8%; Pred. No. 1.2e-138;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;
QY 1 MSPECAQTGPGPSHTLDVNRTHPPFSDVKGDRHLVSVETTVGLIFVVSLLGNVC 60
Db 1 MSPECARAAGADAPLRLEQANRRFPFSDVKGDRHLVLAAVETTVLVLFAVSLGNVC 60
QY 61 ALVLVARRRRRGASASLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTM 120
Db 61 ALVLVARRRRRGATACLVNLFPCADLLFTSAIPVLVVRWTEAMLGPVCHLLFYVMTL 120


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/ REFERENCE/DOCKET NUMBER: 19846NP2
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 732-594-1958
/ TELEFAX: 732-594-4720
/
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 10:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 348 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/
US-08-993-4248-10

Query Match          16.7%; Score 310; DB 2; Length 348;
Best Local Similarity 28.7%; Pred. No. 1,3e-20;
Matches 94; Conservative 56; Mismatches 149; Indels 28; Gaps 8;

QY 38 VLSVETTVLGLIFVSVSLGNVCALVAVARR---RRRGASASIVLNLFCADLLF-TSAIP 93
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 31 VENFTITLVVGLIFAMGVGLNSLVITVLARSKGKRRSTINLFILNLSIADLAVLLFCIP 90
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 94 LVLVWRTAMLLGPVVCCHLLFYVMTWSSGVTTTLTAASLERMVCIVRLRGLSGPGR 153
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 91 FOATVVALPTWVLGAFICKFIHYFFIVSMIVSIFTLAAMSVDRYVAIVHSRRESSLRVSR 150
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 154 TQALLAFITWGYSLAALPLYLIFRVVQRLPGGDQEIPICTLDWPNRIGESMDVFEET 213
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 151 NALLGVFIWALSIAAMSPV----AYHORLFHRDSNQTCFCEWQMPKHLKKAYVCTFV 205
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 214 LNFLVGLVIVISYSKILQITKASRKRLTSLAYSESHQIRVSGQDYRLFRFTLLMVSF 273
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 206 FGVLPLLLICFCYAKVNLHKLKMSKK---SEASKKKTQ-----TVLVVVVVF 255
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 274 FIMWSPITITLILLIQNFRQDLVWPSLFFWV---AFTFANSALNPILYNN--SIFRN 328
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 256 GISLPHVHVHLMAEFGAF---PLTPASFFFRITAHCLAYSNSVNPITVAFLESENFRK 311
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 329 EMRKIFCCFPPEKGAIFTDTSVRND 355
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 312 AYQVFKCHVCDSPSETEKNSRMD 338
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT 11
US-08-540-650B-2
/ Sequence 2, Application US/08540650B
/ Patent No. 6399325
/ GENERAL INFORMATION:
/ APPLICANT: HINDMA, Shuji
/ APPLICANT: FUJII, Ryo
/ APPLICANT: FUKUSUMI, Shoji
/ APPLICANT: OHTAKI, Tetsuya
/ APPLICANT: HOSOTA, Masaki
/ APPLICANT: OHGI, Kazuhiro
/ APPLICANT: ONDA, Haruo
/ TITLE OF INVENTION: GALANIN RECEPTOR PROTEIN, PRODUCTION AND USE THEREOF
/ NUMBER OF SEQUENCES: 17
/ CORRESPONDENCE ADDRESSES:
/ ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN
/ STREET: 130 WATER STREET
/ CITY: BOSTON
/ STATE: MA
/ COUNTRY: US
/ ZIP: 02109
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: Pasteo Version 1.5
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/540.650B
/ FILING DATE: 11-OCT-1995
/ CLASSIFICATION: 435
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/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 7-134412
/ FILING DATE: 31-MAY-1995
/ APPLICATION NUMBER: 6-326610
/ FILING DATE: 28-DEC-1994
/ APPLICATION NUMBER: 6-247599
/ FILING DATE: 13-OCT-1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: RESNICK, DAVID S
/ REGISTRATION NUMBER: 34,235
/ REFERENCE/DOCKET NUMBER: 45901
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 617-523-3400
/ TELEFAX: 617-523-6440
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 348
/ TYPE: Amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: Peptide
/
US-08-540-650B-2

Query Match          16.7%; Score 310; DB 2; Length 348;
Best Local Similarity 28.7%; Pred. No. 1,3e-20;
Matches 94; Conservative 56; Mismatches 149; Indels 28; Gaps 8;

QY 38 VLSVETTVLGLIFVSVSLGNVCALVAVARR---RRRGASASIVLNLFCADLLF-TSAIP 93
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 31 VENFTITLVVGLIFAMGVGLNSLVITVLARSKGKRRSTINLFILNLSIADLAVLLFCIP 90
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 94 LVLVWRTAMLLGPVVCCHLLFYVMTWSSGVTTTLTAASLERMVCIVRLRGLSGPGR 153
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 91 FOATVVALPTWVLGAFICKFIHYFFIVSMIVSIFTLAAMSVDRYVAIVHSRRESSLRVSR 150
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 154 TQALLAFITWGYSLAALPLYLIFRVVQRLPGGDQEIPICTLDWPNRIGESMDVFEET 213
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 151 NALLGVFIWALSIAAMSPV----AYHORLFHRDSNQTCFCEWQMPKHLKKAYVCTFV 205
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 214 LNFLVGLVIVISYSKILQITKASRKRLTSLAYSESHQIRVSGQDYRLFRFTLLMVSF 273
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 206 FGVLPLLLICFCYAKVNLHKLKMSKK---SEASKKKTQ-----TVLVVVVVF 255
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 274 FIMWSPITITLILLIQNFRQDLVWPSLFFWV---AFTFANSALNPILYNN--SIFRN 328
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 256 GISLPHVHVHLMAEFGAF---PLTPASFFFRITAHCLAYSNSVNPITVAFLESENFRK 311
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 329 EMRKIFCCFPPEKGAIFTDTSVRND 355
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 312 AYQVFKCHVCDSPSETEKNSRMD 338
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT 12
US-09-595-549-5
/ Sequence 5, Application US/09595549
/ Patent No. 6511827
/ GENERAL INFORMATION:
/ APPLICANT: Howard, Andrew D.
/ APPLICANT: Casclert, Margaret A.
/ APPLICANT: Smith, Roy G.
/ APPLICANT: Sullivan, Kathleen A.
/ APPLICANT: Tan, Carina
/ APPLICANT: Van der Ploeg, Leonardus H. T.
/ APPLICANT: Lynch, Kevin R.
/ TITLE OF INVENTION: GALANIN RECEPTOR GALR3 AND NUCLEOTIDES
/ FILE REFERENCE: 20148PCA
/ CURRENT APPLICATION NUMBER: US/09/595,549
/ CURRENT FILING DATE: 2000-06-16
/ PRIOR APPLICATION NUMBER: US98/26812
/ PRIOR FILING DATE: 1998-12-17
/ PRIOR APPLICATION NUMBER: 60/069,725
/ PRIOR FILING DATE: 1997-12-17
/ NUMBER OF SEQ ID NOS: 16
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; SOFTWARE: FastSBQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 348
; TYPE: prt
; ORGANISM: mouse
US-09-595-549-5

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Query Match	16.7%	Score 310	DB 2:	Length 348
Best Local Similarity	28.7%	Pred. No. 1.3e-20		
Matches 94	Conservative 56	Mismatches 149	Indels 28	Gaps 8

[illegible]

RESULT 13
 US-09-461-436B-46
 Sequence 46, Application US/09461436B
 Patent No. 6538107
 GENERAL INFORMATION:
 APPLICANT: Yasuji Hinuma
 Yasuaki Ito
 Ryo Fujii
 TITLE OF INVENTION: G Protein Coupled Receptor Protein,
 Production, And Use Thereof
 NUMBER OF SEQUENCES: 61
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Edwards & Angell, LLP
 STREET: 101 Federal Street
 CITY: BOSTON
 STATE: MA
 COUNTRY: USA
 ZIP: 02209
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/461,436B
 FILING DATE: 14-Dec-1999
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/513,974
 FILING DATE: 14-SEP-1995
 APPLICATION NUMBER: PCT/JP95/01599
 FILING DATE: 10-AUG-1995
 APPLICATION NUMBER: 7-093989
 FILING DATE: 19-APR-1995
 APPLICATION NUMBER: 7-057186
 FILING DATE: 16-MAR-1995
 APPLICATION NUMBER: 7-007177

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1      FILING DATE: 20-JAN-1995
2      APPLICATION NUMBER: 6-326611
3      FILING DATE: 28-DEC-1994
4      APPLICATION NUMBER: 6-270017
5      FILING DATE: 02-NOV-1994
6      APPLICATION NUMBER: 6-236357
7      FILING DATE: 30-SEP-1994
8      APPLICATION NUMBER: 6-236356
9      FILING DATE: 30-SEP-1994
10     APPLICATION NUMBER: 6-189274
11     FILING DATE: 11-AUG-1994
12     APPLICATION NUMBER: 6-189273
13     FILING DATE: 11-AUG-1994
14     APPLICATION NUMBER: 6-189272
15     FILING DATE: 11-AUG-1994
16
17     ATTORNEY/AGENT INFORMATION:
18
19     NAME: COMLIN, DAVID G.
20     REGISTRATION NUMBER: <Unknown>
21     REFERENCE/DOCKET NUMBER: 45753
22     TELECOMMUNICATION INFORMATION:
23     TELEPHONE: 617-439-4444
24     TELEFAX: 617-439-4170
25
26     INFORMATION FOR SEQ ID NO: 46:
27
28     SEQUENCE CHARACTERISTICS:
29
30     LENGTH: 348 amino acids
31     TYPE: amino acid
32     STRANDEDNESS: <Unknown>
33     TOPOLOGY: linear
34
35     MOLECULE TYPE: peptide
36
37     SEQUENCE DESCRIPTION: SEQ ID NO: 46:
38
39     IS-09-461-436B-46

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Query Match Similarity	16.7%;	Score 110;	DB 20;	Length 348;
Best Local Similarity	28.7%;	Pred. No. 1.3e-20;		
Matches 94;	Conservative	56;	Mismatches 149;	Indels 28;
				Gaps 8;

Qy	38	UVSVETTVLGLIIFVSLIGVNCVAVLAARR---RRQASALVYNFCADLLE-TSAIP	93
Db	31	VENFIIIVLVFGIIFAMGVIGNSLVITVLAREKPKQPRSTNLIPLINISIDLAVLLPCIP	90
Qy	94	LVLVVRWTEAMLLGVRVCHLFLYVTMGSGSTIITLAAVLSERNVCYIYLRRLGSGGRR	15
Db	91	FOATVATLPVTWLGAFICKFHYEFTVSMVLSIFLLAASMDRVAAIVHSRRSSLSVSR	150
Qy	154	TOAALLAFIWSGSAAALPLYLIFLFFVVRQRLPGGDOEPICTLLMPRIGESIMDVEET	211
Db	151	NALLGVGFIMALSTIMASPV-----AYHQRLFHDSNGTFCWEDQMPKHKKAVVCTFV	205
Qy	214	LNFVLVGLVIVISYKILQITKASKKLTLSLANSSEHQIRVSGODRLFTFLEFLWVSF	273
Db	206	FGLLPPELLLICFCYAKVLNHLHKKIKNNSSK---SEASKKKTAAQ-----TVLVVVVVF	255
Qy	274	FLMWSPIITILLILIIQNFRODLVWPSLFFMVV---AFTFANGALNPDIILYM--SLFRN	328
Db	256	GISWLPBHVHVLMAEFGAF---PLTPASFFFRITAHCLAVSNGSNVPIIYAFLESNFRK	311
Qy	329	EMRKIFCCFPPEKGAIFLTDTSVRRND	355
Db	312	AYKOVFKCHVCDSPRSETKENKSSMD	338

RESULT 14
US-09-603--680-10
Sequence 10, Application US/09603680
Patent No. 6544753
GENERAL INFORMATION:
APPLICANT: Tan, Carina
Sullivan, Kathleen
TITLE OF INVENTION: GALANTIN RECEPTOR GALR2 AND
NUCLEOTIDES ENCODING SAME
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSER: Merck & Co., Inc.

```

; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/603,680
; FILING DATE: 26-Jun-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/033,851
; FILING DATE: 27-DEC-1996
; APPLICATION NUMBER: 08/993,088
; FILING DATE: 18-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Heber, Sheldon O.
; REGISTRATION NUMBER: 38,179
; REFERENCE/DOCKET NUMBER: 19846 CA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 732-594-1958
; TELEFAX: 732-594-4720
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 348 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-603-680-10

Query Match      16.7%; Score 310; DB 2; Length 348;
Best Local Similarity 28.7%; Pred. No. 1.3e-20;
Matches 94; Conservative 56; Mismatches 149; Indels 28; Gaps 8;

QY 38 VLSVETTVGLIFVNSLGNVCALVVAR---RRRGASASLVNLFCDLDF-TSAIP 93
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 31 VENPITLVVGLIFAMGVGNSLVITVLARSKPGKPRSTNLPFLNLSIDLAVLFCIP 90
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 94 LVLVKRTAMLVGPVCHLLFYVMTMSGVTTITLAAVSLERNVCIVRLRGISGGR 153
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 91 FQATVVALPTWVIGAFICKFIHYFFTVSMVLSIFTLAAMSVDRVALVHSRRSSLSR 150
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 154 TQALLAFIWGYSALALPLYLIFRVVPRPLPGDDEIPICITLDMPRIGEISWDFET 213
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 151 NALIGVFIALWALSIAMASPV---AYHQRLEFRDSNQTFCWEHMPQLHKKAVVCTFV 205
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 214 LNFVLPGVLVVISYSKLIQITKASRKRLTSLAYSSHQIRVSGQODRLFRFTFLMVSF 273
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 206 FGVLPLLLICFCYAKVNLNHLKMLKMSK---SEASKKKTAQ-----TVLVVVVF 255
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 274 FIMSPITITTLILIONFRODLVIMSLFFWV---AFTFANSALPILYNN--SLFRN 328
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 256 GISVLPHVVLHMAEFGAF---PLTPASFFRITAHCLAYSNSVNPITVAFLENFRRK 311
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 329 EMRKIFCCFPPEKGAIFTDTSVRRND 355
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 312 AYKQVFKHVCDESPRSETKENKSRMD 338
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT 15
US-08-900-230-5
; Sequence 5, Application US/08900230
; Patent No. 6329197
; GENERAL INFORMATION:
; APPLICANT: Baird, Jonathan A.
; TITLE OF INVENTION: DNA ENCODING GALANIN GALR3 RECEPTORS AND
```

```

; TITLE OF INVENTION: USES THEREOF
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 11036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/900,230
; FILING DATE: 23-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 52241-C/JPW/ADM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0525
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 395 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE:
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
US-08-900-230-5

Query Match      16.7%; Score 310; DB 2; Length 395;
Best Local Similarity 28.9%; Pred. No. 1.5e-20;
Matches 93; Conservative 56; Mismatches 125; Indels 48; Gaps 9;

QY 38 VLSVETTVGLIFVNSLGNVCALVVAR---RRRGASASLVNLFCDLDF-TS 90
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 30 VENPITLVVGLIFAMGVGNSLVITVLARSKPGAKPRSTNLPFLNLSIDLAVLFCIP 89
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 91 APLVLVWRTAMLVGPVCHLLFYVMTMSGVTTITLAAVSLERNVCIVRLRGISGGR 150
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 90 CIPFQATVVALPTWVIGAFICKFIHYFFTVSMVLSIFTLAAMSVDRVALVHSRRSSLSR 149
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 151 GRRTOALLAFIWGYSALALPLYLIFRVVPRPLPGDDEIPICITLDMPRIGEISWDF 210
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 150 VSRNALIGVFIALWALSIAMASPV---YVAVY---QRLPFRDSNQTFCWEHMPQLHKKAVVCTFV 205
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 211 FETLNFVLPGVLVVISYSKLI-----QITKASRKRLTSLAYSSHQIRVSGQOD 259
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 206 TFFVGYLLPLLLICFCYAKVNLNHLKMLKMSKSEASKKRATGKTA----- 252
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 260 YRLFRFTFLMVSFPIMSPITITLILILIONFRODLVIMSLFFWV---AFTFANSAL 316
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 253 ---QTVLVVVVFGISMDPHVYIHLMAEFGAF---PLTPASFFRITAHCLAYSNSV 304
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
QY 317 NPILYNN--SLFRNEMRKIFCC 336
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB 305 NPITVAFLENFRRKAYKQVFKC 326
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

Search completed: December 5, 2005, 08:54:12
Job time : 49 secs
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Db 241 CCTGAGCAAGTCAATCGACCCACCTCCCTTTCTTCGAGTGTCAAGGGGCGACACC 300
QY 301 GGTGGTGTAGCGATCGTGGAGACCAACCGTTCGTGGAGCTCATCTTGTGTCTCACTG 360
Db 301 GGTGGTGTAGCGATCGTGGAGACCAACCGTTCGTGGAGCTCATCTTGTGTCTCACTG 360
QY 361 TGGGCAACGTGTGTCTTAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
Db 361 TGGGCAACGTGTGTGTCTTAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
QY 421 GCTGTGTCTCAACCTCTTCTGTGGGAGATTGTCTTCAACAGAGGCTATCCCTCTAGTGC 480
Db 421 GCTGTGTCTCAACCTCTTCTGTGGGAGATTGTCTTCAACAGAGGCTATCCCTCTAGTGC 480
QY 481 TGT 540
Db 481 TGT 540
QY 541 AGGTGTGTCAATGAGCGGAGCGGTCAAGATCTCTCAACATGTGCGCGGTCAAGCTGAGC 600
Db 541 AGGTGTGTCAATGAGCGGAGCGGTCAAGATCTCTCAACATGTGCGCGGTCAAGCTGAGC 600
QY 601 GCATGT 660
Db 601 GCATGT 660
QY 661 CGGCACTGT 720
Db 661 CGGCACTGT 720
QY 721 TGTTCGCGGT 780
Db 721 TGTTCGCGGT 780
QY 781 TGTATGT 840
Db 781 TGTATGT 840
QY 841 TGT 900
Db 841 TGT 900
QY 901 CATGCGGAGAGGCTTTACGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
Db 901 CATGCGGAGAGGCTTTACGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
QY 961 CCCAACAAGACTACCGACTTTTCCGACGCTCTTCTGTGTGTGTGTGTGTGTGTGTGTGT 1020
Db 961 CCCAACAAGACTACCGACTTTTCCGACGCTCTTCTGTGTGTGTGTGTGTGTGTGTGTGT 1020
QY 1021 TGT 1080
Db 1021 TGT 1080
QY 1081 TGT 1140
Db 1081 TGT 1140
QY 1141 TAAACCCCATCTGTACACATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
Db 1141 TAAACCCCATCTGTACACATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
QY 1201 GCTTCTTTTTCAGAGAGGAGGCAATTTTTCAGATAGTGTGTGTGTGTGTGTGTGTGTGT 1260
Db 1201 GCTTCTTTTTCAGAGAGGAGGCAATTTTTCAGATAGTGTGTGTGTGTGTGTGTGTGTGT 1260
QY 1261 TGTCTGTATTTCAGATAGT 1320
Db 1261 TGTCTGTATTTCAGATAGT 1320
QY 1321 GGGAGTTAACTTAAAGGAAAGCCCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1380
Db 1321 GGGAGTTAACTTAAAGGAAAGCCCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1380

QY 1381 ACAGAGGATCTAGAGAGCCAGCAAAATTAAAGAAATGATCGCTCAGTATAAAAATATTTT 1440
Db 1381 ACAGAGGATCTAGAGAGCCAGCAAAATTAAAGAAATGATCGCTCAGTATAAAAATATTTT 1440
QY 1441 TCTTAAAAAAGACTTCTATGT 1500
Db 1441 TCTTAAAAAAGACTTCTATGT 1500
QY 1501 GATCTAGTTAATAAATTTTATTTTAAAGTGTCTCTACAAAAAATTTTTTTTTTTTTTTT 1560
Db 1501 GATCTAGTTAATAAATTTTATTTTAAAGTGTCTCTACAAAAAATTTTTTTTTTTTTTTT 1560

RESULT 2
US-10-077-698-5
; Sequence 5, Application US/10077698
; Publication No. US2003008350A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US2003008350A1 G-Protein Coupled Recept.
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/077,698
; PRIOR FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/261,599
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1560
; TYPE: DNA
; ORGANISM: Murine ortholog
US-10-077-698-5

Query Match 100.0%; Score 1560; DB 5; Length 1560;
Best Local Similarity 100.0%; Pred. NO. 0;
Matches 1560; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTGCCAAGTCAAGCTTACCTTTTCATGCAATCTCAAGAGGGTTTCATGAGTGC 60
Db 1 TTTGCCAAGTCAAGCTTACCTTTTCATGCAATCTCAAGAGGGTTTCATGAGTGC 60
QY 61 TTCAACCATCTAGTACCACTCCAGACTGTCCGGTTTACCAGATCTTTCACAGGGAG 120
Db 61 TTCAACCATCTAGTACCACTCCAGACTGTCCGGTTTACCAGATCTTTCACAGGGAG 120
QY 121 TGTATGACCTCTTGTACAGCCAGAGCGGCGAGCTCCGCAATCTTCCGAGCGGTGG 180
Db 121 TGTATGACCTCTTGTACAGCCAGAGCGGCGAGCTCCGCAATCTTCCGAGCGGTGG 180
QY 181 GCCGGGCGCCGAGATGTCCTCTGAGTGTGACAAGAGAGCGGCTGTGCTCTGACAC 240
Db 181 GCCGGGCGCCGAGATGTCCTCTGAGTGTGACAAGAGAGCGGCTGTGCTCTGACAC 240
QY 241 CCTGTGACCAATGTGCAATGCAACCACTTCCCTTTCTTCCGATGTCAAGGGAGACAC 300
Db 241 CCTGTGACCAATGTGCAATGCAACCACTTCCCTTTCTTCCGATGTCAAGGGAGACAC 300
QY 301 GGTGTGTGTGTAGCGT 360
Db 301 GGTGTGTGTGTAGCGT 360
QY 361 TGGGCAACGTGTGTGTCTTAGT 420
Db 361 TGGGCAACGTGTGTGTCTTAGT 420
QY 421 GCTGTGTCTCAACCTCTTCTGTGGGAGATTGTCTTCAACAGAGGCTATCCCTCTAGTGC 480
Db 421 GCTGTGTCTCAACCTCTTCTGTGGGAGATTGTCTTCAACAGAGGCTATCCCTCTAGTGC 480

OY	481	TCGTGTGCGCGTGA	CTGAGGCG	CTGAGCGT	TTGAGGCG	CCGGTGGT	CGCACC	CGCTCT	CT	540
Db	481	TCGTGTGCGCGTGA	CTGAGGCG	CTGAGCGT	TTGAGGCG	CCGGTGGT	CGCACC	CGCTCT	CT	540
OY	541	ACGTATGACA	TGAGCGG	CAGCGT	CAAGAT	TCTTCA	CTGGCCGCGGT	CAAGCT	GAGC	600
Db	541	ACGTATGACA	TGAGCGG	CAGCGT	CAAGAT	TCTTCA	CTGGCCGCGGT	CAAGCT	GAGC	600
OY	601	GCATGTGTGAT	CGTGGCGCT	TCGGCGGCGCT	TTAGCGGCGC	GGGGGGGG	GGGGG	GGGGG	CT	660
Db	601	GCATGTGTGAT	CGTGGCGCT	TCGGCGGCGCT	TTAGCGGCGC	GGGGGGGG	GGGGG	GGGGG	CT	660
OY	661	CGGCACTGTGGCT	TTCAATATG	GGGGTTA	CTGGGCGCT	GGCGCGCT	GGCCCT	CT	CA	720
Db	661	CGGCACTGTGGCT	TTCAATATG	GGGGTTA	CTGGGCGCT	GGCGCGCT	GGCCCT	CT	CA	720
OY	721	TGTTCCGGGTGGT	CCCGGACG	CGCTTCCCGG	GGGGGAC	CAGGAAAT	TTCCGAT	TTTG	CA	780
Db	721	TGTTCCGGGTGGT	CCCGGACG	CGCTTCCCGG	GGGGGAC	CAGGAAAT	TTCCGAT	TTTG	CA	780
OY	781	TGGATTGGCCCA	CCGCAATAG	GAGAAATCT	CA	TGGGATGTG	TTTTTT	TG	AG	840
Db	781	TGGATTGGCCCA	CCGCAATAG	GAGAAATCT	CA	TGGGATGTG	TTTTTT	TG	AG	840
OY	841	TCCGTGTC	CCGGGAC	TTGGTCA	TTTGAT	CAGT	TACT	CC	AAAA	900
Db	841	TCCGTGTC	CCGGGAC	TTGGTCA	TTTGAT	CAGT	TACT	CC	AAAA	900
OY	901	CATCGCGGAA	GAGCTTA	CGCTG	AGCTT	TGG	CACTA	CT	TG	960
Db	901	CATCGCGGAA	GAGCTTA	CGCTG	AGCTT	TGG	CACTA	CT	TG	960
OY	961	CCCAACAAGACT	ACCGACT	CTTTCGG	CACGCT	CTTCTG	CTCA	TGG	TTTT	1020
Db	961	CCCAACAAGACT	ACCGACT	CTTTCGG	CACGCT	CTTCTG	CTCA	TGG	TTTT	1020
OY	1021	TGTGAGT	GTCCAT	CACTAC	CACT	CTCT	CTCAT	TTTG	AT	1080
Db	1021	TGTGAGT	GTCCAT	CACTAC	CACT	CTCT	CTCAT	TTTG	AT	1080
OY	1081	TGTCAT	CTGG	CAT	CCCTTTT	CTTCTG	GGGTGG	TGG	CCCT	1140
Db	1081	TGTCAT	CTGG	CAT	CCCTTTT	CTTCTG	GGGTGG	TGG	CCCT	1140
OY	1141	TAAACCCCAT	ACTGT	CAACAC	ATGT	CGCTT	CAG	GA	CGAA	1200
Db	1141	TAAACCCCAT	ACTGT	CAACAC	ATGT	CGCTT	CAG	GA	CGAA	1200
OY	1201	GCTTCT	TTTTT	CCAG	AAGG	AGCCAT	TTTTTA	CAG	AT	1260
Db	1201	GCTTCT	TTTTT	CCAG	AAGG	AGCCAT	TTTTTA	CAG	AT	1260
OY	1261	TGTCTG	TATTT	CCAG	CT	TA	AGCGCT	CTGG	CCAG	1320
Db	1261	TGTCTG	TATTT	CCAG	CT	TA	AGCGCT	CTGG	CCAG	1320
OY	1321	GGGAGT	TAACTT	CAAG	AAGG	CCCA	CCAG	TGG	CG	1380
Db	1321	GGGAGT	TAACTT	CAAG	AAGG	CCCA	CCAG	TGG	CG	1380
OY	1381	ACAGCAG	GCAT	CTAC	GAG	CCAG	CAATTA	AGAA	TG	1440
Db	1381	ACAGCAG	GCAT	CTAC	GAG	CCAG	CAATTA	AGAA	TG	1440
OY	1441	TCCTTAA	AAGAACTT	TC	TATGGG	TTCC	TTTTT	TG	AA	1500
Db	1441	TCCTTAA	AAGAACTT	TC	TATGGG	TTCC	TTTTT	TG	AA	1500
OY	1501	GATCAG	TAAAT	TAATTTT	TTT	TTT	TTT	TTT	TTT	1560
Db	1501	GATCAG	TAAAT	TAATTTT	TTT	TTT	TTT	TTT	TTT	1560

Query	Match	100.0%	Score 1560;	DB 5;	Length 1560;	
Best Local Similarity	100.0%;	Pred. No. 0;	Mismatches 0;	Indels 0;	Gaps 0;	
Db	1	TTGCCAAGCTCAGCCTTAAGCCTCTTCCACTGCAATCTCAGAGAAAGGGTTTCATGGAGTGC	60			
Qy	1	TTGCCAAGCTCAGCCTTAAGCCTCTTCCACTGCAATCTCAGAGAAAGGGTTTCATGGAGTGC	60			
Db	61	TTCAACACCATAGTACCACTTCAGACTTGTCCGGCTTTTACCGAATCTTCAACAGCGAG	120			
Qy	61	TTCAACACCATAGTACCACTTCAGACTTGTCCGGCTTTTACCGAATCTTCAACAGCGAG	120			
Db	61	TTCAACACCATAGTACCACTTCAGACTTGTCCGGCTTTTACCGAATCTTCAACAGCGAG	120			
Qy	121	TCGATGACCCCTTTTGACAGCCACGAGCGCGGCGACACTCCGCAATCTTCCCGAGCGGTGG	180			
Db	121	TCGATGACCCCTTTTGACAGCCACGAGCGCGGCGACACTCCGCAATCTTCCCGAGCGGTGG	180			
Qy	181	GCCGGGCGCCCGGCGCATGTGCCCTGAGTGGACAGACGAGCGGGGCCCTGGTCCCTGGACAC	240			
Db	181	GCCGGGCGCCCGGCGCATGTGCCCTGAGTGGACAGACGAGCGGGGCCCTGGTCCCTGGACAC	240			
Qy	241	CCCTGGACCAAGTCAATCGACCCACTTCCCTTTCTTCGGATGTCAAGGGCGACCAAC	300			
Db	241	CCCTGGACCAAGTCAATCGACCCACTTCCCTTTCTTCGGATGTCAAGGGCGACCAAC	300			
Qy	301	GGTTGGTGTGAGCGTCTGAGAGACCAACCGTTCTGGACTCATCTTTGTCTGTCACTGCG	360			
Db	301	GGTTGGTGTGAGCGTCTGAGAGACCAACCGTTCTGGACTCATCTTTGTCTGTCACTGCG	360			
Qy	361	TGGGCAAGTGTGCTCTAGTGTGGTGGGGCGCGCGCGCGCGTGGGGGGGTGAGACCA	420			
Db	361	TGGGCAAGTGTGCTCTAGTGTGGTGGGGCGCGCGCGCGCGTGGGGGGGTGAGACCA	420			
Qy	421	GCTGTGTCTCAACCTCTTCTGCGGGATTGTCTTTCACAGCGCCATCCCTCTAGTGC	480			
Db	421	GCTGTGTCTCAACCTCTTCTGCGGGATTGTCTTTCACAGCGCCATCCCTCTAGTGC	480			
Qy	481	TGCTGTGTCTGAGCTGAGCTGAGGCGCTTGTGGGGCCCGTGTCTGCACTGCTCTTCT	540			
Db	481	TGCTGTGTCTGAGCTGAGCTGAGGCGCTTGTGGGGCCCGTGTCTGCACTGCTCTTCT	540			
Qy	541	AACGATATACATAGACGGGCGAGCGTCAAGATCTTCAACTGCGCGCGGTGACGCTGGAGC	600			
Db	541	AACGATATACATAGACGGGCGAGCGTCAAGATCTTCAACTGCGCGCGGTGACGCTGGAGC	600			
Qy	601	GCATGTGTGATCGTGGCGCTTCCGGCGCGGCTTGAAGGGCGCGGGAGCTGACAG	660			
Db	601	GCATGTGTGATCGTGGCGCTTCCGGCGCGGCTTGAAGGGCGCGGGAGCTGACAG	660			

Db	661	CGGCACTGCTGGCTTTTATATAGGGGTTACTGGGGCTCGCGCGCTGCCCCCTACATCT	720
QY	721	TGTTCCGCGTGTTCCGCGAGGCTTCCCGCGGGAGCAAGAAATTCGATTTGCACT	780
Db	721	TGTTCCGCGTGTTCCGCGAGGCTTCCCGCGGGAGCAAGAAATTCGATTTGCACT	780
QY	781	TGATTTGGCCCAACCGCATGAGAGAAATCTCATGSGATGTTTTTTTGAAGATTGAACT	840
Db	781	TGATTTGGCCCAACCGCATGAGAGAAATCTCATGSGATGTTTTTTTGAAGATTGAACT	840
QY	841	TCTTGCTGCGGGAGACTGGTCAATTGTGATCACTTCTCCAAAATTTTACAGATCAGAAAG	900
Db	841	TCTTGCTGCGGGAGACTGGTCAATTGTGATCACTTCTCCAAAATTTTACAGATCAGAAAG	900
QY	901	CATCGCGGAAGAGGCTTACGCTGAGCTTGGCATCTCTGAAGCCACAGATCCAGTGT	960
Db	901	CATCGCGGAAGAGGCTTACGCTGAGCTTGGCATCTCTGAAGCCACAGATCCAGTGT	960
QY	961	CCCAACAAAGCTACCGCATCTTCCGAGGCTCTTCGCTCATGGTTTTCTTTCATCA	1020
Db	961	CCCAACAAAGCTACCGCATCTTCCGAGGCTCTTCGCTCATGGTTTTCTTTCATCA	1020
QY	1021	TGNGAGTCCCATCATCATCAACATCCCTCATCTTGTATCCAAAATTTCCGGCAGACC	1080
Db	1021	TGNGAGTCCCATCATCATCAACATCCCTCATCTTGTATCCAAAATTTCCGGCAGACC	1080
QY	1081	TGGTCATCTGGCCATCCCTTTCTTCTGGGTGGTGCCCTTCAAGTTTGGCAACTGTGCC	1140
Db	1081	TGGTCATCTGGCCATCCCTTTCTTCTGGGTGGTGCCCTTCAAGTTTGGCAACTGTGCC	1140
QY	1141	TAAACCCCATCTCTGTACAAATGTGCTGTTCAGAGAAAGAAATGAGAAATTTTGTCT	1200
Db	1141	TAAACCCCATCTCTGTACAAATGTGCTGTTCAGAGAAAGAAATGAGAAATTTTGTCT	1200
QY	1201	GCTTCTTTTTTCCAGAGAGGAGCCATTTTTCAGATACGTCGTCAAGGCGAAATGACT	1260
Db	1201	GCTTCTTTTTTCCAGAGAGGAGCCATTTTTCAGATACGTCGTCAAGGCGAAATGACT	1260
QY	1261	TGCTGTATTTTCCAGCTAACTAGCCTCTGTGTCAGAGTGAACCAAGGTGTCATGTAA	1320
Db	1261	TGCTGTATTTTCCAGCTAACTAGCCTCTGTGTCAGAGTGAACCAAGGTGTCATGTAA	1320
QY	1321	GGGAGTTAACTTCAAGAGAAAGCCACAGTGGCCCTGCTTTAAAAATACCAGACTTCCA	1380
Db	1321	GGGAGTTAACTTCAAGAGAAAGCCACAGTGGCCCTGCTTTAAAAATACCAGACTTCCA	1380
QY	1381	ACAGCAGGCACTTACGAGGCGAGCAATTAAGGAATGATCGCTAGTAAATAATTTT	1440
Db	1381	ACAGCAGGCACTTACGAGGCGAGCAATTAAGGAATGATCGCTAGTAAATAATTTT	1440
QY	1441	TCTTAAAAAGACTTCTATGGGTTCTTTTGTGAACCTTTTAAAGTGTGTAATAT	1500
Db	1441	TCTTAAAAAGACTTCTATGGGTTCTTTTGTGAACCTTTTAAAGTGTGTAATAT	1500
QY	1501	GATCTAGTTAATAATTTTATTTATATAAGCTTCTCAAAAAAATTTTTTTTTTAAAAA	1560
Db	1501	GATCTAGTTAATAATTTTATTTATATAAGCTTCTCAAAAAAATTTTTTTTTTAAAAA	1560

Query Match	100.0%	Score 1560	DB 6	Length 1560
Best Local Similarity	100.0%	Pred. No. 0		
Matches 1560	Conservative 0	Mismatches 0	Indels 0	Gaps 0
PRIOR FILING DATE: 1998-12-30 NUMBER OF SEQ. ID NOS: 7 SOFTWARE: PatentIn Ver. 2.1 SEQ. ID NO 5 LENGTH: 1560 TYPE: DNA ORGANISM: Murine ortholog US-10-075-987-5				
QY	1	TTGCCAAGCTCAGGGTAAGCCTCTTCCACGTGCATCTCACAGAAGGGGTTTCATGAGAGC	60	
DB	1	TTGCCAAGCTCAGGGTAAGCCTCTTCCACGTGCATCTCACAGAAGGGGTTTCATGAGAGC	60	
QY	61	TTCAACACCATCAGTACGACCACTCCAGACTTGTCCGGCTTTTACCCGAACTCTTTCACAGCGAG	120	
DB	61	TTCAACACCATCAGTACGACCACTCCAGACTTGTCCGGCTTTTACCCGAACTCTTTCACAGCGAG	120	
QY	121	TCGATGACCTCTTTCACAGCCACGAGGGCGGCGAGCTCCGCACTCTTCCGAGAGCGCTGG	180	
DB	121	TCGATGACCTCTTTCACAGCCACGAGGGCGGCGAGCTCCGCACTCTTCCGAGAGCGCTGG	180	
QY	181	GCCGAGGCGCCCGGAGATGCCCCCTAGTGTGACAGACGAGCGGCGCTTGTCTCCCTGCAC	240	
DB	181	GCCGAGGCGCCCGGAGATGCCCCCTAGTGTGACAGACGAGCGGCGCTTGTCTCCCTGCAC	240	
QY	241	CCCTGAGCAAGTCAATCGCACCCCACTTCCCTTTCTTCTGGATGTCAAGGGGAGCACCC	300	
DB	241	CCCTGAGCAAGTCAATCGCACCCCACTTCCCTTTCTTCTGGATGTCAAGGGGAGCACCC	300	
QY	301	GCTTGTGTGTTGAGGGCTGTGAGACCAACCGTTCTGGGACATCATCTTTGTCTCTACATGC	360	
DB	301	GCTTGTGTGTTGAGGGCTGTGAGACCAACCGTTCTGGGACATCATCTTTGTCTCTACATGC	360	
QY	361	TGGGCAACGTTGTGCTCTAGTGTGTGGTGGCGCGCGTCCGGCGCGCTGGAGGAGTCAAGCA	420	
DB	361	TGGGCAACGTTGTGCTCTAGTGTGTGGTGGCGCGCGTCCGGCGCGCTGGAGGAGTCAAGCA	420	
QY	421	GCTGTGTGCTCAACCTCTTCTGGCGGAGTTTGTCTTTCACCAAGGCGCATCCCTTGAAGTC	480	
DB	421	GCTGTGTGCTCAACCTCTTCTGGCGGAGTTTGTCTTTCACCAAGGCGCATCCCTTGAAGTC	480	
QY	481	TCTGTGTGCGGTGAGCTGAGGCGCTGCTTGGGGGCCGCTGTGTGACCACTGAGCTCTTCT	540	
DB	481	TCTGTGTGCGGTGAGCTGAGGCGCTGCTTGGGGGCCGCTGTGTGACCACTGAGCTCTTCT	540	
QY	541	ACGTGATGACCAATAGCGGCGAGCGCTCAAGATCTTCACACTGAGCGCGGTCAAGCTGAGGC	600	
DB	541	ACGTGATGACCAATAGCGGCGAGCGCTCAAGATCTTCACACTGAGCGCGGTCAAGCTGAGGC	600	
QY	601	GCATGTGTGATCGTGTGCGCTCCGGCGCGGCTTTAGCGGCGCCGGGCGGCGGAGTCAAG	660	
DB	601	GCATGTGTGATCGTGTGCGCTCCGGCGCGGCTTTAGCGGCGCCGGGCGGCGGAGTCAAG	660	
QY	661	CGGCACTGTGCTTTTATATAGGGGTTATCTCGGGGCTTCGCGGCGCTGCGGCTCTTCAACT	720	
DB	661	CGGCACTGTGCTTTTATATAGGGGTTATCTCGGGGCTTCGCGGCGCTGCGGCTCTTCAACT	720	
QY	721	TGTTTCGGGTGTCCCGAGCGCTTCCCGGCGGAGACAGAAATTCGATTGTCAT	780	
DB	721	TGTTTCGGGTGTCCCGAGCGCTTCCCGGCGGAGACAGAAATTCGATTGTCAT	780	
QY	781	TGATTTGGCCCAACCGCATAGAGAAATCTCATGGATGTGTCTTTTGAAGCTTTGAAC	840	
DB	781	TGATTTGGCCCAACCGCATAGAGAAATCTCATGGATGTGTCTTTTGAAGCTTTGAAC	840	
QY	841	TCTGTGTGCGGAGCTGTGATCTTGTGATCACTTCCAAATTTTTCAGATCAGAAAG	900	
DB	841	TCTGTGTGCGGAGCTGTGATCTTGTGATCACTTCCAAATTTTTCAGATCAGAAAG	900	

QY 901 CATCGCGAAGAGGCTTACGCTGAGCTTGGACATCTGAGAGCCACAGATCCGAGTGT 960
| | | | |
Db 901 CATGCGGAAAGAGCTTACGCTGAGCTTGGACATCTGAGAGCCACAGATCCGAGTGT 960
QY 961 CCCAACAAGACTACGACTCTTCCGACAGCTCTTCTGCTAGTGGTTCTTCTTCA 1020
| | | | |
Db 961 CCCAACAAGACTACGACTCTTCCGACAGCTCTTCTGCTAGTGGTTCTTCTTCA 1020
QY 1021 TGTGAGATCCCATCATCATCATCATCTCTCTCATCTTGTATCCAAAATTCCGGAGAAC 1080
| | | | |
Db 1021 TGTGAGATCCCATCATCATCATCATCTCTCTCATCTTGTATCCAAAATTCCGGAGAAC 1080
QY 1081 TGTGATCTGGGCAATCCCTTTCTTCTGAGTGTGGCCCTTCAAGTTTGGCAACTCTGCCC 1140
| | | | |
Db 1081 TGTGATCTGGGCAATCCCTTTCTTCTGAGTGTGGCCCTTCAAGTTTGGCAACTCTGCCC 1140
QY 1141 TAAACCCCATATCTGTACACATGTCTGTCTCAGAAAGAAATGGAGAAATTTTGTCT 1200
| | | | |
Db 1141 TAAACCCCATATCTGTACACATGTCTGTCTCAGAAAGAAATGGAGAAATTTTGTCT 1200
QY 1201 GCTTCTTTTTCAGAGAAAGGAGCCATTTTTCAGATAGCTCTGTACGGGAAATGACT 1260
| | | | |
Db 1201 GCTTCTTTTTCAGAGAAAGGAGCCATTTTTCAGATAGCTCTGTACGGGAAATGACT 1260
QY 1261 TGTCTGTTAATTCAGACTTAAGCTCTGCTGTCAGAGTGAACAGCGGTGTCATGTAAA 1320
| | | | |
Db 1261 TGTCTGTTAATTCAGACTTAAGCTCTGCTGTCAGAGTGAACAGCGGTGTCATGTAAA 1320
QY 1321 GGGAGTTAACTTCAAGAAAGCCACAGAGTGGCCCTGCTTTAAAAAATCCGACTTCA 1380
| | | | |
Db 1321 GGGAGTTAACTTCAAGAAAGCCACAGAGTGGCCCTGCTTTAAAAAATCCGACTTCA 1380
QY 1381 ACAGAGGAGCATCTACGAGAGCCAGCAATTAAGAAATGATGCTCATGATTAATAATTTT 1440
| | | | |
Db 1381 ACAGAGGAGCATCTACGAGAGCCAGCAATTAAGAAATGATGCTCATGATTAATAATTTT 1440
QY 1441 TCCTTAAAGAACTTTCATAGGTTTCTTTTGTAACTTTTAAAGTGTGTGTAATAT 1500
| | | | |
Db 1441 TCCTTAAAGAACTTTCATAGGTTTCTTTTGTAACTTTTAAAGTGTGTGTAATAT 1500
QY 1501 GATCTAGTATTAATTTTATTTTATTAACGTTCTTCAAAAAAATTTTTTTTTTTTTT 1560
| | | | |
Db 1501 GATCTAGTATTAATTTTATTTTATTAACGTTCTTCAAAAAAATTTTTTTTTTTTTT 1560

RESULT 5
US-10-086-181-6
; Sequence 6, Application US/10086.181
; Publication No. US20020177151A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; FILE REFERENCE: NMI-220
; DISORDERS, INCLUDING OBESITY AND DIABETES
; CURRENT APPLICATION NUMBER: US/10/086,181
; PRIOR FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Murine ortholog
US-10-086-181-6

Query March 69.6%; Score 1086; DB 5; Length 1086;
Best Local Similarity 100.0%; Pred. No. 9,4e-282; Indels 0; Gaps 0;
Matches 1086; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 195 ATGTCTCCCTGAGTGTGACAGACGAGGCGCTGTGCTGCTGACACCTTGACCAATGTC 254
| | | | |
Db 1 ATGTCTCCCTGAGTGTGACAGACGAGGCGCTGTGCTGCTGACACCTTGACCAATGTC 60

QY 255 AATGCAACCACTTCCCTTTCTTCTGGATGTCAAGGCGACCAACCGGTTGGTTGAGC 314
| | | | |
Db 61 AATGCAACCACTTCCCTTTCTTCTGGATGTCAAGGCGACCAACCGGTTGGTTGAGC 120
QY 315 GTGCTGAGAGACCAACCGTTCTGGAGCATCTTTTGTCTCTCACTGTGGGCAAGTGTGT 374
| | | | |
Db 121 GTGCTGAGAGACCAACCGTTCTGGAGCATCTTTTGTCTCTCACTGTGGGCAAGTGTGT 180
QY 375 GCTCTAGTGTGTGTGGCGCGCGCTGTGGCGCGCGCGCGCGCTGTGAGCGCATGTGTCAAC 434
| | | | |
Db 181 GCTCTAGTGTGTGTGGCGCGCGCGCTGTGGCGCGCGCGCGCGCTGTGAGCGCATGTGTCAAC 240
QY 435 CTCTTCTGGCGGATTTTGTCTTTCACAGAGGCGCATCTCTTCTAGTGTGTGTGTGTGTG 494
| | | | |
Db 241 CTCTTCTGGCGGATTTTGTCTTTCACAGAGGCGCATCTCTTCTAGTGTGTGTGTGTGTG 300
QY 495 ACTGAGGCTGTGGCTGTGGGCGCGCGCTGTGCTGTGCACTGTCTTCTAGTGTGTGTGTGTG 554
| | | | |
Db 301 ACTGAGGCTGTGGCTGTGGGCGCGCGCTGTGCTGTGCACTGTCTTCTAGTGTGTGTGTGTG 360
QY 555 AGCGGAGCGTCAAGATCTTCACTGAGCGCGGTCAAGCTGTGAGCGCATGTGTGTGTGTG 614
| | | | |
Db 361 AGCGGAGCGTCAAGATCTTCACTGAGCGCGGTCAAGCTGTGAGCGCATGTGTGTGTGTG 420
QY 615 GTGCGCTCCGCGCGCGCTTGAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 674
| | | | |
Db 421 GTGCGCTCCGCGCGCGCTTGAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 480
QY 675 TTCAATATGAGGATTAAGT 734
| | | | |
Db 481 TTCAATATGAGGATTAAGT 540
QY 735 CCGGAGCGCTTCCGCGCGCGGAGACAGAAATTCGATTGCACTTGTGATTTGCGGCAAC 794
| | | | |
Db 541 CCGGAGCGCTTCCGCGCGCGGAGACAGAAATTCGATTGCACTTGTGATTTGCGGCAAC 600
QY 795 CGCATAGAGAAATCTATGAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 854
| | | | |
Db 601 CGCATAGAGAAATCTATGAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 660
QY 855 CTGATCATTTGATCAGTTACTCCAAAATTTTACAGATCAAGAAAGCATGCGGAAAGG 914
| | | | |
Db 661 CTGATCATTTGATCAGTTACTCCAAAATTTTACAGATCAAGAAAGCATGCGGAAAGG 720
QY 915 CTTACGCTGAGCTTGGCATCTGAGAGCCACAGATCCGAGTGTCCAAACAAGACTAC 974
| | | | |
Db 721 CTTACGCTGAGCTTGGCATCTGAGAGCCACAGATCCGAGTGTCCAAACAAGACTAC 780
QY 975 GAGCTCTTCCGACAGCTCTTCTGCTGATGATTTCTTTTCTCATGATGAGTGTCCATC 1034
| | | | |
Db 781 GAGCTCTTCCGACAGCTCTTCTGCTGATGATTTCTTTTCTCATGATGAGTGTCCATC 840
QY 1035 ATATATCAACATCCCTCATCTTGATTCAAAACCTCCGGAGAGCGTGTATGTGCGCA 1094
| | | | |
Db 841 ATATATCAACATCCCTCATCTTGATTCAAAACCTCCGGAGAGCGTGTATGTGCGCA 900
QY 1095 TCCCTTTTCTTCTGGT 1154
| | | | |
Db 901 TCCCTTTTCTTCTGGT 960
QY 1155 TACAAATGTGCTGTTCAGAAAGAAATGAGAGAAATTTTGTGTGTGTGTGTGTGTGT 1214
| | | | |
Db 961 TACAAATGTGCTGTTCAGAAAGAAATGAGAGAAATTTTGTGTGTGTGTGTGTGTGT 1020
QY 1215 GAGAAGGAGGCAATTTTACAGATAGTGTGTGAGGGAATGATGCTGTGATTTTCC 1274
| | | | |
Db 1021 GAGAAGGAGGCAATTTTACAGATAGTGTGTGAGGGAATGATGCTGTGATTTTCC 1080
QY 1275 AGCTTAA 1280
| | | | |
Db 1081 AGCTTAA 1086

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RESULT 6
US-10-149-826-59
: Sequence 59, Application US/10149826
: Publication No. US2004022431A1
: GENERAL INFORMATION:
:   APPLICANT: INCYTE GENOMICS, INC.
:   APPLICANT: BUREFORD, Neil.
:   APPLICANT: BAUGHN, Mariah R.
:   APPLICANT: AU-YOUNG, Janice
:   APPLICANT: YANG, Junming
:   APPLICANT: LU, Dyung Alina M.
:   APPLICANT: REDDY, Roopa
: TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
: FILE REFERENCE: PI-0001 PCT
: CURRENT APPLICATION NUMBER: US/10/149,826
: PRIOR FILING DATE: 2002-06-10
: PRIOR APPLICATION NUMBER: 60/172,852; 60/171,732; 60/176,148; 60/177,331
: PRIOR FILING DATE: 1999-12-10; 1999-12-22; 2000-01-14; 2000-01-21
: NUMBER OF SEQ ID NOS: 78
: SOFTWARE: PERL Program
: SEQ ID NO 59
:   LENGTH: 1321
:   TYPE: DNA
:   ORGANISM: Homo sapiens
:   FEATURE:
:     NAME/KEY: misc feature
:     OTHER INFORMATION: Incyte ID No: 5029478CBI
US-10-149-826-59

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Query Match	55.7%;	Score 868.4;	DB 8;	Length 1321;
Best Local Similarity	79.7%;	Pred. No. 5e-223;		
Matches 1043;	Conservative 0;	Mismatches 251;	Indels 14;	Gaps 1;

OY	170	CGGAGCGCTGGGGCCGGGGCGCCGGGATGTCCTCCCTAGTGTGACAGACGACGGGCGCTGG	229
Db	5	CCGCTGCGGGCGCGACGCCGCCGGGAATGTCCCTGAAATCGCGCGGGACAGCGGGCGACGC	64
OY	230	TCCCTCGACACCTCTGGACCAAGTCAATGCAACCCACTTCCCTTTCCTCGGATGTCAA	289
Db	65	GCCCTTGGCGAGCTGGAGCAAGCCAAACGACACCGGCTTTCCTCTTCGCGATCGAA	124
OY	290	GGGCGACCAACCGGTTGGTGTGAGGGCTGTGTGAAACACACCGTTCCTGGGACTATCTTTGT	349
Db	125	GGGCGACCAACCGGCTGGTGTGTGGCCGCGGGTGAACAACCGGTGTGGTCTCATCTTTTGC	184
OY	350	CGTCTCATGTGCTGGGCAACGTGTGTCTTAGTGTGGAGGGGCGCGCGCGCGCGCGTGG	409
Db	185	AGTGTGCTGTGCTGGGCAACGTGTGTGCGCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	244
OY	410	GGCGTCAGCCAGCCGTGTGTCTCAACCTTCTTCGCGGAAATTTGTCTTTCACCAAGCCCAT	469
Db	245	CGGACCTGCTGTGCTGTGTACTCAACCTTTCGCGGAACTGTCTTTCATCAGGCGTAT	304
OY	470	CCCTTCTAGTGTCTGT	529
Db	305	CCCTTGT	364
OY	530	CCTGCTCTTCTACGTGATGACAAATGAGCGGACGCTCAAGATCTCAACATGTGGCGCGGT	589
Db	365	CCTGCTCTTCTACGTGATGATGACCTTGTGAGCGGACGCTCAACATCTTCTACGTGTGGCGGT	424
OY	590	CAGCTTGTGAGCGCATGTGTGCATCGTGTGCTTCGCGCGCGGCTTGAAGCGGCGCCGCGGCG	649
Db	425	CAGCTTGTGAGCGCATGTGTGCATCGTGTGACCTGACGCGCGCGCGCGGCGGTCTGTGGGG	484
OY	650	GCGGACTCAGGCGGACATGTGTGCTTTTCAATATGGGTTACTGTGGGCTGTGCGCGCTGCC	709
Db	485	GCGGCGCGGCGGACATGTGTGCTGTGCGCTCATCTGTGGGCTAATGTGGGCGGTGTGCGCTGTGC	544
OY	710	CCTTACATCTTGTTCGCGGTGTGTCCGAGGCGCTTCCCGCGGGGAGACAGAGAAATTC	769
Db	545	TCTGTGCTCTTCTTCCGAGTGTGTCCCGACAGGCTTCCCGCGCGCGGACAGAGAAATTC	604

OY	770	GATTGGACATGTGATGGCCCAACCCCATAGGGAATCTCATGGATGTTTTTGA	829
Db	605	GATTTGCACATGATTTGGCCCAACCATTCCTGGAGAGATCTCGTGGATGTCTTTTGT	664
OY	830	GACTTTGAATCTCTGGTCCCGGAGCTGTGATCTGATCAATTTCTCAAAATTTTACA	889
Db	665	TACTTTTAAACTCTTGTGTGCCAGACCTGTGATCAGTTATCTCCAAAATTTTACA	724
OY	890	GATACGAAAGCATCGGGGAAGAGCTTACGCTAGCTTGAGCATCTGTAGAGCCACA	949
Db	725	GATACAAAGGCATCAAGAAAGGCTCACGGTAAAGCTGGCTTACTTCGGAGCCACA	784
OY	950	GATCCGAGTGTCCCAACAAGCTACCGAGCTTTCCGACGCTTTCTGTCTCATGTTC	1009
Db	785	GATCCGGGTGTCCGAGAGAGACTTCCGGCTTTTCCGACCTCTTCTCTCATGATCTC	844
OY	1010	CTTCTTCATATGAGAGTCCCATCATCATCACATCTCTCTCATCTTGATTCGAAACTT	1069
Db	845	CTTCTTCATATGAGAGTCCCATCATCATCACATCTCTCTCATCTTGATTCGAAACTT	904
OY	1070	CCGGCAGAGCCTGTGTCATCTGGCCATCCCTTTCTTCTGGGTGGTGGCCTTTCAGTTGC	1129
Db	905	CAAGCAAGACTGTGTACTGTGGCCGCTCCCTCTTCTTCTGGGTGGTGGCCTTTCAGTTGC	964
OY	1130	CAATCTTGCCCTTAAACCCCATCTGTACACATGTCCGTGTTACAGAAACGAATGGAGAA	1189
Db	965	TAAATTCAGCCCTTAAACCCCATCTGTACACATGTCTGTGAGATATGATGGAGAA	1024
OY	1190	GATTTTGTGCTCTCTTTTTCAGAGAAAGGAGCATTTTTCAGATAGCTGTCTGAG	1249
Db	1025	AATTTTGTGCTCTCTGTTTCCAGAAAGGAGCATTTTTCAGATAGCTGTCTGAG	1084
OY	1250	GCGAAATGACTGTCTGTATTTTCAGACTACT-----AGCCTCTGTGTCC	1295
Db	1085	AAGAAATGACTGTCTGTATTTCTGTCTAATTTTCTTATAGCAGAGTTTCTCACACC	1144
OY	1296	AGATGAACACGCGTGCATGTAAAGGAGTTAATTCAAGAAAGCCACAGTGGCC	1355
Db	1145	TGGGAGAGCTGTGGCATCTTTTAAACAGAGTTCAATTTCCAGTACCCTTCATAGTGGC	1204
OY	1356	CTGCTTTAAATAATCCGACTTCCACAGACGAGCATCTACGAGCCAGCAATTTAAGAA	1415
Db	1205	CTCTCTTTAAGAAATGAATTTATGCAAAATAGACATCACAGCGTCCGTAAATTTAAGGG	1264
OY	1416	TGATCGCTCAGTAAATAATTTTCTTAAAGACTTTTATGGG	1463
Db	1265	TGATCGCAAGTTTCAATATATTTTCCCTTTATAAAGAAATGTGTGG	1312

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RESULT 7
US-10-086-181-1
: Sequence 1, Application US/10086181
: Publication No. US20020177151A1
: GENERAL INFORMATION:
: APPLICANT: GIMENO, Ruth
: TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
: TITLE OF INVENTION: DISORDERS, INCLUDING OBESITY AND DIABETES
: FILE REFERENCE: NMI-220
: CURRENT APPLICATION NUMBER: US//10/086,181
: CURRENT FILING DATE: 2002-02-26
: PRIOR APPLICATION NUMBER: 60/271,655
: PRIOR FILING DATE: 2001-02-26
: NUMBER OF SEQ ID NOS: 16
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 1
: LENGTH: 1743
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (44)...(1129)
US-10-086-181-1

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Query Match 55.5%; Score 866.2; DB 5; Length 1743;
Best Local Similarity 80.5%; Pred. No. 2.3e-222;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;

Qy 181 GCCGGGGCCCGGATGTCCTGATGTGACAGACGAGCGGCTGTGCTCGACCA 240
Db GCCAGGGCGCGGGAATGTCCTGAAATGCGCGGGGAGCGGGGAGCGGCTTTGGCA 89

Qy 241 CCTTGACCAAGTCAATGACACCACTTCTTCTGAGATGACAGGCGACAC 300
Db GCCGTGAGCAAGCCGACCGCTTCTTCTTCTGAGATGACAGGCGACAC 149

Qy 301 GGTGGATGAGGCGTGTGAGAGCAACCGTCTGAGATGATCTTTGTGCTCACTGC 360
Db GGGGTGTGTGCGCGCGGTGAGACAAACGCTGTGTGCTATCTTTGACATGTGCTGC 209

Qy 361 TGGGCAACGTGTGCTCTAGTGTGTGTGCGCGCGCGCTGTGCGCGCGCTGACCA 420
Db TGGGCAACGTGTGCGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 269

Qy 421 GCGTGTGTGCTCAACCTCTTCTGCGCGATTTGCTTTACAGCGCATCTTCTTATGTC 480
Db GCGTGTGTGCTCAACCTCTTCTGCGCGATTTGCTTTACAGCGCATCTTCTTATGTC 329

Qy 481 TCGTGTGTGCTGAGCTGAGGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 540
Db TCGTGTGTGCTGAGCTGAGGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 389

Qy 541 ACCTGATGACAAATGAGGCGGACGCTCAAGATCTCAACTGTGCGCGCTGACCTGAGC 600
Db ACCTGATGACAAATGAGGCGGACGCTCAAGATCTCAAGATGTGCGCGCTGAGC 449

Qy 601 GCATGTGTGATGTGTGCGCTCCGCGCGGCTTGAAGCGCGCGCGCGCGGACTGAG 660
Db GCATGTGTGATGTGTGCGCTCCGCGCGGCTTGAAGCGCGCGCGCGCGGACTGAG 509

Qy 661 CGGCACTGTGCTTTGATATGAGGCTTACTGTGCGGCTGTGCGCGCTGTCTCAACTCT 720
Db CAGTGTGTGCTGTGCTCACTGTGAGGCTTATGTGCGGCTGTGCGCTGTCTGTGCTCT 569

Qy 721 TGTTCGCGTGTGTGCGCGAGCGCTTCCGCGCGGAGACAGAAATTCGATTTGACAT 780
Db TGTTCGCGTGTGTGCGCGAGCGCTTCCGCGCGGAGACAGAAATTCGATTTGACAT 629

Qy 781 TGGATTTGGCCCAACCGCATGAGAGAAATCTCATGGAATGTGTTTTTGAAGCTTTGAACT 840
Db TGAATTTGGCCCAACCATTCGAGAGAAATCTGTGGAATGTCTTTTGTGTTACTTTGAACT 689

Qy 841 TCCGTGTGCGCGGAGCTGTGATTTGTGATCACTTCCAAATTTTACAGATCAAGAAAG 900
Db TCTGTGTGCGAGGCTGTGATTTGTGATCACTTCCAAATTTTACAGATCAAGAAAG 749

Qy 901 CATGCGGAGAGGCTTACGCTGAGCTTGTGATCTCTGAGAGCGACACAGATCCGAGTGT 960
Db CATCAAGAGAGGCTTACGCTGAGCTTGTGATCTCTGAGAGCGACACAGATCCGAGTGT 809

Qy 961 CCCAACAAGACTACGACTCTTCCGACGCTCTTCTGTGATGATTTCTTTCTTCACTCA 1020
Db CCCAGAGAGGACTTCCGCTCTTCCGACGCTCTTCTGTGATGATTTCTTTCTTCACTCA 869

Qy 1021 TGTGGAGTCCCATATATATACCAATCTCTCATCTTGTATCCAAATTTCCGAGAGAC 1080
Db TGTGGAGTCCCATATATATACCAATCTCTCATCTTGTATCCAAATTTCCGAGAGAC 929

Qy 1081 TGTGATCTGTGCACTTCTTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1140
Db TGTGATCTGTGCACTTCTTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 989

Qy 1141 TAAACCCCATCTCTTACAAACATGTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1200
Db TAAACCCCATCTCTTACAAACATGTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1049

Qy 1201 GCTTCTTTTTCAGAGAGGAGCAATTTTACAGATAGCTGTGACGGCAATGACT 1260
Db GCTTCTGTGTTCCAGAGAAAGGAGCAATTTTACAGATAGCTGTGACAAAGAAATGACT 1109

Qy 1261 TGTCTGTATTTTCAGGTA-----CTAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1306
Db TGTGATATATTTTCTGCTAAATTTTCTTTATAGCGAGTTTCTCACACGTGTGTGTGTGT 1169

Qy 1307 GGTGTGATGTAAAGAGTTAACTTCAAGAAAGCCACAGTGTGCGGCTTTTAA 1366
Db GGTGTGATGTAAAGAGTTAACTTCAAGTATCCCTCATAGTACACCTGTCTTTAGA 1229

Qy 1367 ATACCGACTTCCAAACGACGACATCTAGGAGCCAGCAATTAAGAAATGATGTGTGTGT 1426
Db A-ATGAACTTAGCAATATGACATCCACAGCGTGTGTAAATTAAGGGGTGATACCAAG 1288

Qy 1427 TATATAATATTTTCTTAAAGAACTTTCTATGGG 1463
Db TTTCATATATATTTTCTTATATAAGATTTGTGTG 1325

RESULT 8
US-10-077-698-2
; Sequence 2, Application US/10077698
; Publication No. US20030008350A1
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor. A No. US20030008350A1 G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/10/077,698
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/261,599
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-077-698-2

Query Match 55.5%; Score 866.2; DB 5; Length 1743;
Best Local Similarity 80.5%; Pred. No. 2.3e-222;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;

Qy 181 GCCGGGGCCCGGATGTCCTGATGTGACAGACGAGCGGCTGTGCTCGACCA 240
Db GCCAGGGCGCGGGAATGTCCTGAAATGCGCGGGGAGCGGGGAGCGGCTTTGGCA 89

Qy 241 CCTTGACCAAGTCAATGACACCACTTCTTCTGAGATGACAGGCGACAC 300
Db GCCGTGAGCAAGCCGACCGCTTCTTCTTCTGAGATGACAGGCGACAC 149

Qy 301 GGTGGATGAGGCGTGTGAGAGCAACCGTCTGAGATGATCTTTGTGCTCACTGC 360
Db GGGGTGTGTGCGCGGTGAGACAAACGCTGTGTGCTATCTTTGACATGTGCTGC 209

Qy 361 TGGGCAACGTGTGCTCTAGTGTGTGTGCGCGCGCTGTGCGCGCGCTGACCA 420
Db TGGGCAACGTGTGCGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 269

Qy 421 GCGTGTGTGCTCAACCTCTTCTGCGCGATTTGCTTTACAGCGCATCTTCTTATGTC 480
Db GCGTGTGTGCTCAACCTCTTCTGCGCGATTTGCTTTACAGCGCATCTTCTTATGTC 329

Qy 481 TCGTGTGTGCTGAGCTGAGGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 540
Db TCGTGTGTGCTGAGCTGAGGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 389

QY 541 ACGTATGACAAATGAGGGGAGCGCTACAGATCTCTCAACTGGCCGCGGTACGCTGGAGC 600
 Db 390 ACGTATGACCCCTGAGCGGAGCGCTACACATCTCAAGCTGGCCGCGGTACGCTGGAGC 449
 QY 601 GCATGGTGTGATGTCGCGCTCTCCGAGCGCGCTTGAAGCGGCCGGGGAGCGGAGCTCAG 660
 Db 450 GCATGGTGTGATGTCGCACTTGCAAGCGCGCGGTCTCGGGCGCGCGGGCGCGG 509
 QY 661 CGGCACTGCTGGCTTTCAATGGGGTTACTGGCGCTGGCGCGCTGCCCTTCTACATCT 720
 Db 510 CAGTGTGCTGGCGCTCATCTGGGGCTTATGGCGGTGGCGCGCTGCTGCTTCTGCGTCT 569
 QY 721 TGTTCGCGGTGTCGCGAGCGCTTCCGCGGGGAGCCAGGAATTCGATTTTGAACAT 780
 Db 570 TCTTTGAGTGTGTCGCGAGCGCTCCCGGGCGGAGCCAGGAATTTGATTTGACAC 629
 QY 781 TGGATTGGCCCAACCGCATAGAGAAATCTCATGGGATGTGTTTTTGAAGCTTGAAC 840
 Db 630 TGATTTGGCCCAACATTCCTGGAGAGATCTCGTGGAGATCTCTTTTGTACTTTGAAC 689
 QY 841 TCTGTGTGCGGGAGCTGGTCAATTGTGATCACTTACTCCAAATTTTACAGATCAGAAAG 900
 Db 690 TCTTGTGCGAGGACTGGTCAATTGTGATCACTTACTCCAAATTTTACAGATCAGAAAG 749
 QY 901 CATCGCGGAAGAGCTTACGCTGAGCTTGGCATCTCTGAGAGCCAGCAAGATCCGAGTGT 960
 Db 750 CATCAAGGAAGAGCTCAAGGTAAAGCTGGGCTTACTCGGAGAGCCAGCAAGATCCGAGTGT 809
 QY 961 CCCAACAAGACTACCGACTCTTCGCGAGCTTCTCTGTCTCATGGTTCTCTTCTTATCA 1020
 Db 810 CCGAGCAGAGACTTCGGGCTCTTCGCGAGCTTCTCTGTCTCATGGTTCTCTTCTTATCA 869
 QY 1021 TGTGAGTCCCATCATCATCAACATCTCTCATCTTGAATCCAAATCTTCGCGAGAGCT 1080
 Db 870 TGTGAGAGCCCATCATCATCAACATCTCTCATCTTGAATCCAAATCTTCAGAGAGCT 929
 QY 1081 TGGTCACTGTGGCACTCCCTTTCTTCTGGGTGTGGCTTCAAGCTTGGCAACTGTGCC 1140
 Db 930 TGGTCACTGTGGCCCTCCCTCTTCTTCTGGGTGTGGCTTCAAGCTTGGCAACTGTGCC 989
 QY 1141 TAAACCCCATACTGTATACAACTGTCGTTCAGAGAGCAATGGAGGAAGATTTTGTGCT 1200
 Db 990 TAAACCCCATCTCTTACAACTGACACTGTGCAAGAAATGATGGAAAGAAATTTTGTGCT 1049
 QY 1201 GCTTCTTTTTCAGAGAGGGAGGCAATTTTACAGATACGTCTGTGAGGCGAATGACT 1260
 Db 1050 GCTTCTGTGTCAGAGAAAGGGAGGCAATTTTACAGACATCTGTCAAAAGAAATGACT 1109
 QY 1261 TGTCTGTATTTTCCAGCTAA-----CTAGCTCTGTGTGTCAGGTGAACAC 1306
 Db 1110 TGTCTGTATTTTCCAGCTAAATTTTCTTAAATGCGAGATTTTCTCACCTGTGGAGCTGT 1169
 QY 1307 GGTGTGATGTAAAGGGAGGTAACCTTCAAGGAAGCCACAGTGGCGCTGCTTTAA 1366
 Db 1170 GGTGTGCTTTTAAAGAGGTTTCAATTTTCAAGTACCTTCAATGATGACCTGTGTTAA 1229
 QY 1367 ATACCCGACTTCCAAAGCAGAGCATCTACGAGCCAGCAAAATTAAGAAATGATGCTGAC 1426
 Db 1230 A-AATGAACCTATGCAATATACATCCAGAGGTGGTAAATTAAGGGGTGATACCAAG 1288
 QY 1427 TATTAATAATTTTCTTAAAGAACTTTCTATGGG 1463
 Db 1289 TTTCTATTAATTTTCCCTTTTAAAGAAATTTGTGG 1325

RESULT 9
 US-10-171-027-2
 ; Sequence 2, Application US/10171027
 ; Publication No. US20030073168A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gluckmann, Maria A.
 ; APPLICANT: Tsai, Fong-Ying
 ; TITLE OF INVENTION: 14273 Receptor, A No US20030073168A1el G-Protein Coupled Receptor

[illegible]

Db 810 CCCAGCAGACTCCGGCTCTCCGCAACCCCTCTCTCATGCTCTCTTCACTCA 869
Qy 1021 TGTGAGTCCCATCATGATCAACATCTCTCATCTTGATCCAAACTCCGGAGACC 1080
Db 870 TGTGAGCCCATCATATATACACATCTCTCATCTTGATCCAAACTCCGGAGACC 929
Qy 1081 TGTGATCTGAGCCATCTCTCTCTCTGAGTGTGAGCTTCACTTTGCCAATCTGCC 1140
Db 930 TGTGATCTGAGCCATCTCTCTCTCTGAGTGTGAGCTTCACTTTGCCAATCTGCC 989
Qy 1141 TAAACCCATATCTGATCAACATGTCTGTTCAGAAAGAAATGAGAGATTTTGTCT 1200
Db 990 TAAACCCATCTCTATCAACATGACACTGTGAGAAATGAGAGAAATTTTGTCT 1049
Qy 1201 GCTTCTTTTTCAGAGAGAGAGCCATTTTTCAGATAGCTGTGTGAGGAGAAATGACT 1260
Db 1050 GCTTCTGTTTCCAGAGAGAGAGCCATTTTTCAGACATCTGTAAAGAAATGACT 1109
Qy 1261 TGTCTGTTTTCAGAGTAA-----CTAGCCTGTGTGAGGAGTGAACAC 1306
Db 1110 TGTGATTAATTTCTGAGTAAATTTTCTTTATAGCCGAGTTTCTCAACCTGTGAGCTGT 1169
Qy 1307 GGTGTGATGTAAAGGAGTTAACTTCAAGAGAAAGCCACAGTGCCTGCTTTTAA 1366
Db 1170 GGCATGCTTTTAAACAGAGTTTCAATTTCCAGTACCTCATCAGTGACCTGTGTTTAA 1229
Qy 1367 ATACCCGACTTCCAGCAGCAGCTTCAAGAGCCAGCAATTAAGAAATGATGCTCAG 1426
Db 1230 A-AATGAACTATGCAAAATGACATTCACAGCGCTGTAATTAAGGAGTATCACCAAG 1288
Qy 1427 TATAAATAATATTTTCTTAAAGAACTTTCTATGG 1463
Db 1289 TTTCTATTAATATTTTCTTAAAGAAATTTGTTGG 1325

RESULT 10
US-10-075-987-2
Sequence 2, Application US/10075987
Publication No. US20030166061A1
GENERAL INFORMATION:
APPLICANT: Gluckmann, Maria A.
TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1 G-Protein Coupled Receptor
FILE REFERENCE: 5800-4B, 035800/117086
CURRENT APPLICATION NUMBER: US/10/075, 987
CURRENT FILING DATE: 2002-02-13
PRIOR APPLICATION NUMBER: US/09/261, 599B
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 09/223, 538
PRIOR FILING DATE: 1998-12-30
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 1743
TYPE: DNA
ORGANISM: Homo sapiens
US-10-075-987-2

Query Match 55.5%; Score 866.2; DB 6; Length 1743;
Best Local Similarity 80.5%; Pred. No. 2,3e-222;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;

Qy 181 GCGGCGCGCGCGCATGTCCTCCGATGATGTCACAGAGAGGCGCTGTGCTCCGACACA 240
Db 30 GCCAGGCGCGGGAATGTCCCTGAAATGCGCGGGGAGGCGAGCGCCCTTGGCA 89
Qy 241 CCCTGACCAAGTCAATCGACCACTTCTTCTTCTGAGATGTCAAGGCGACACC 300
Db 90 GCGTGAAGCAAGCAACCGACCCGCTTCTTCTTCTGAGATGTCAAGGCGACACC 149
Qy 301 GGTGTGTGTGAGCGTGTGAGAGCAACCGTCTGTGAGTCACTTTGTGTCTCACTGC 360
Db 150 GCGTGTGTGTGAGCGCGCGGTGAGAGCAACCGTGTGTGTCTCACTTTGTGTGTGCTGC 209

Qy 361 TGGCAACATGTGTGATCTAGTGTGAGCGCGCGCTGAGCGCGGAGCGGTGAGCGCA 420
Db 210 TGGCAACATGTGTGATCTAGTGTGAGCGCGCGCGCTGAGCGCGGAGCGGTGAGCGCA 269
Qy 421 GCGTGTGTGCAACTTCTTGTGCGGAGTTTGTCTTTCACAGAGCGCATCTCTAGTGC 480
Db 270 GCGTGTGTGCAACTTCTTGTGCGGAGTTTGTCTTTCACAGAGCGCATCTCTAGTGC 329
Qy 481 TGTGTGTGTGTGAGCGTGTGAGAGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 540
Db 330 TGTGTGTGTGTGAGCGTGTGAGAGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 389
Qy 541 ACCTGATGCAATGAGCGAGCGAGTCAAGATCTCTCACTGTGCGCGCGGTGAGCGTGA 600
Db 390 ACCTGATGCACTGAGCGAGCGAGTCAAGATCTCTCACTGTGCGCGCGGTGAGCGTGA 449
Qy 601 GCAATGTGTGATCTGTGCGCGCTCCGCGCGGCTTGAAGCGCGCGCGCGCGAGCTCAG 660
Db 450 GCAATGTGTGATCTGTGCGCGCTCCGCGCGGCTTGAAGCGCGCGCGCGCGAGCTCAG 509
Qy 661 GCGCATGCTGTGCTTATATGAGGTTATCTGTGCGCGCTGTGCGCGCGCTGTATCT 720
Db 510 GAGTGTGTGTGCGCTTATATGAGGTTATCTGTGCGCGCTGTGCGCGCGCTGTATCT 569
Qy 721 TGTTCGCGGTGTGCGCGAGCGCTTCCGCGCGGAGCAAGAAATTCGATTTGACAT 780
Db 570 TCTTTGAGTGTGCGCGAGCGCTTCCGCGCGGAGCAAGAAATTCGATTTGACAT 629
Qy 781 TGTATGTGCGCGCAACCGCATGAGAGAAATCTCATGTGTGTGTGTGTGTGTGTGTGT 840
Db 630 TGTATTTGGCGCACATTTCCGAGAGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 689
Qy 841 TCTGT 900
Db 690 TCTGT 749
Qy 901 CATGCGGAAAGAGGCTTAAAGCTGAGCTGTGATCTGTGAGCGAGCAACAGATCGAGT 960
Db 750 CATGAGAGAGAGGCTTAAAGCTGTGAGCTGTGAGCGAGCGAGCAACAGATCGAGT 809
Qy 961 CCCAAGAGACTACGAGCTTTCGAGAGCGCTTCTCTGTGATGATGTTTCTTCTTCACTCA 1020
Db 810 CCCAAGAGACTTCCGAGCTTTCGAGAGCGCTTCTCTGTGATGATGTTTCTTCTTCACTCA 869
Qy 1021 TGTGAGTCCCATCATCATCATCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1080
Db 870 TGTGAGCCCATCATCATCATCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 929
Qy 1081 TGTGATCTGAGCCATCT 1140
Db 930 TGTGATCTGAGCCATCT 989
Qy 1141 TAAACCCATATCTGATCAACATGTCTGTTCAGAAAGAAATGAGAGATTTTGTCT 1200
Db 990 TAAACCCATCTCTATCAACATGACACTGTGAGAAATGAGAGAAATTTTGTCT 1049
Qy 1201 GCTTCTTTTTCAGAGAGAGAGCCATTTTTCAGATAGCTGTGTGAGGAGAAATGACT 1260
Db 1050 GCTTCTGTTTCCAGAGAGAGAGCCATTTTTCAGACATCTGTAAAGAAATGACT 1109
Qy 1261 TGTCTGTTTTCAGAGTAA-----CTAGCCTGTGTGAGGAGTGAACAC 1306
Db 1110 TGTGATTAATTTCTGAGTAAATTTTCTTTATAGCCGAGTTTCTCAACCTGTGAGCTGT 1169
Qy 1307 GGTGTGATGTAAAGGAGTTAACTTCAAGAGAAAGCCACAGTGCCTGCTTTTAA 1366
Db 1170 GGCATGCTTTTAAACAGAGTTTCAATTTCCAGTACCTCATCAGTGACCTGTGTTTAA 1229
Qy 1367 ATACCCGACTTCCAGCAGCAGCTTCAAGAGCCAGCAATTAAGAAATGATGCTCAG 1426
Db 1230 A-AATGAACTATGCAAAATGACATTCACAGCGCTGTAATTAAGGAGTATCACCAAG 1288
Qy 1427 TATAAATAATATTTTCTTAAAGAACTTTCTATGG 1463

Db 14 GCCAGGGGCGGGGATGTCCTGATGCGGCGGCGAGCGGGGAGCGGCTTGGCGA 73
Qy 241 CCTTGAGCAAGTCAATGCAACCACTTCCCTTCTTCTGAGTCAAGGCGACCA 300
Db 74 GCGTGGAGCAAGCAACCGCACTTCCCTTCTTCTGAGTCAAGGCGACCA 133
Qy 301 GGTGGATGAGGCGTGGAGCAACCGTCTTGGAGCATCTTGTGCTGCTCACTGC 360
Db 134 GCGTGGATGAGGCGGCGGAGCAACCGTCTTGGAGCATCTTGTGCTGCTGC 193
Qy 361 TGGGCAAGTGTGCTGCTGAGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 420
Db 194 TGGGCAAGTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 253
Qy 421 GCGTGGATGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 480
Db 254 GCGTGGATGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 313
Qy 481 TCGTGGATGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 540
Db 314 TGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 373
Qy 541 ACCTGATGACATGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 600
Db 374 ACCTGATGACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 433
Qy 601 GCATGGTGGATGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 660
Db 434 GCATGGTGGATGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 493
Qy 661 CGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 720
Db 494 CAGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 553
Qy 721 TGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 780
Db 554 TGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 613
Qy 781 TGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 840
Db 614 TGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 673
Qy 841 TGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 900
Db 674 TGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 733
Qy 901 CATGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 960
Db 734 CATGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 793
Qy 961 CCCAGCAAGACTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 1020
Db 794 CCCAGCAAGACTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 853
Qy 1021 TGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 1080
Db 854 TGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 913
Qy 1081 TGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 1140
Db 914 TGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 973
Qy 1141 TAAACCCGATGAGTCAACATGTCGTCGAGGAGGAGGAGGAGGAGGAGGAGT 1200
Db 974 TAAACCCGATGAGTCAACATGTCGTCGAGGAGGAGGAGGAGGAGGAGGAGT 1033
Qy 1201 GCTTCCTTTTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGT 1260
Db 1034 GCTTCCTTTTCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGT 1093
Qy 1261 TGTTCCTTTTCCAGGCTTCACTGAGGAGGAGGAGGAGGAGGAGGAGGAGT 1306

Db 1094 TGTTCCTTTTCCAGGCTTCACTGAGGAGGAGGAGGAGGAGGAGGAGT 1139
RESULT 13
US-09-992-331-1
; Sequence 1, Application US/09992331
; Publication No. US2003022186A1
; GENERAL INFORMATION:
; APPLICANT: FEDER, JOHN N.
; APPLICANT: MINTIER, GABE
; APPLICANT: RAMANATHAN, CHANDRA S.
; APPLICANT: HAWKEN, DONALD R.
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGBRMY18.
; TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: D0048NP
; CURRENT APPLICATION NUMBER: US/09/992,331
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/308,540
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: 60/261,782
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: 60/248,483
; PRIOR FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-992-331-1
Query Match 52.5%; Score 818.8; DB 3; Length 1086;
Beet Local Similarity 84.6%; Pred. No. 1.1e-209;
Matches 919; Conservative 0; Mismatches 167; Indels 0; Gaps 0;
Qy 195 ATGTCCTGAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 254
Db 1 ATGTCCTGAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 60
Qy 255 AATGCAACCACTTCCCTTCTTCTCGAGTCAAGGCGGAGCAACCGGTTGGTGGAGC 314
Db 61 AATGCAACCGGCTTCCCTTCTTCTCGAGTCAAGGCGGAGCAACCGGTTGGTGGCC 120
Qy 315 GTCTGAGAGCAACCGTCTTGGAGCTATCTTGTCTCTCACTGCTGGGCAAGTGTGT 374
Db 121 GCGGTGAGAGCAACCGTCTTGGAGCTATCTTGTCTCTCACTGCTGGGCAAGTGTGT 180
Qy 375 GCTCTAGTGTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 434
Db 181 GCGCTGAGTGTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 240
Qy 435 CTCTTCTGCGGAGATTTGCTTCTCAACGAGGCGCATCCCTCTAGTGTCTGTGCGTGG 494
Db 241 CTCTTCTGCGGAGAGCTGCTTCTTCTCAAGGCGTATCCCTCTGTGTGCGTGGCGTGG 300
Qy 495 ACTGAGGCTGAGTGTGGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 554
Db 301 ACTGAGGCTGAGTGTGGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 360
Qy 555 AGGCGGAGGCGGAGTCTCAACATGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 614
Db 361 AGGCGGAGGCGGAGTCTCAACATGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 420
Qy 615 GTGCGCTCCGCGGCGGCTTGAAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 674
Db 421 GTGCACTGAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 480
Qy 675 TTCTATAGGAGTACTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 734
Db 481 CTCTATGAGGAGTACTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCT 540
Qy 735 CCGGAGGCGGCTTCCGCGGCGGAGCAAGAGAAATTCGATTTGACATTTGGATTTGGCCCAAC 794

Db 541 CGGCAAGGCTCCCGGCGCGGACAGGAATTTGATTTGACACATGATTTGGCCACC 600
Qy 795 CGCATAGAGAAATCTCATGGAGTGTGTTTTTGAGACTTTGACTCTGTCGGCGGA 854
Db 601 ATTCCTGGAGAGATCTCGTGGAGTGTCTTTTGTGTAATTTGTAATCTTGTGGCGAGA 660
Qy 855 CTGGTCATTGTGATCAGTTACTCCAAATTTTACAGTACAGAAAGCATGCGGAAAGG 914
Db 661 CTGGTCATTGTGATCAGTTACTCCAAATTTTACAGTACAGAAAGCATGAGAAAGG 720
Qy 915 CTTAGCGTGAAGCTTGGCATCTGTAGAGCCACAGATCCGAGTGTCCAAAGACTAC 974
Db 721 CTCACGGTAAGCTTGCGCTACTCGAGAGCCACAGATCCGCGTGTCCAGAGACTTC 780
Qy 975 CGACTCTTCCGACAGCTTCTTCTGCTCATAGTGTTCCTTTTCATCATGTGAGATCCCATC 1034
Db 781 CGGCTCTTCCGACAGCTTCTTCTCATAGTGTCTCTTTCATCATGTGAGATCCCATC 840
Qy 1035 ATCATCAGCATCTCTCTCATCTTGATCCAAACTTCCGAGGAGCTGTCATCTGAGCA 1094
Db 841 ATCATCAGCATCTCTCTCATCTTGATCCAAACTTCCGAGGAGCTGTCATCTGAGCC 900
Qy 1095 TCCCTTTTCTTCTGAGTGTGAGCTTCAAGCTTGGCCAACTCTGCCCTAAACCCCATACTG 1154
Db 901 TCCCTCTTCTTCTGAGTGTGAGCTTCAAGCTTGGCCAACTCTGCCCTAAACCCCATCTG 960
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Qy 1275 AGCTAA 1280
Db 1081 GGCTAA 1086
RESULT 14
US-10-262-313-1
; Sequence 1, Application US/10262313
; Publication No. US20030129653A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY18, EXPRESSED HIGH
; FILE REFERENCE: D0048 CIP
; TITLE OF INVENTION: PITUITARY GLAND AND COLON CARCINOMA CELLS
; CURRENT APPLICATION NUMBER: US/10/262,313
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: U.S. 09/992,331
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-262-313-1
Query Match 52.5%; Score 818.8; DB 6; Length 1086;
Best Local Similarity 84.6%; Pred. No. 1,1e-209;
Matches 919; Conservative 0; Mismatches 167; Indels 0; Gaps 0;
Qy 195 ATGTCCCTGAGTGTGACAGACGAGCGGCTGTGCTCTCGACACCTTGACCAAGTC 254
Db 1 ATGTCCCTGAGTGTGACAGACGAGCGGCTGTGCTCTTGCGCAGCTTGAGCAAGCC 60
Qy 255 AATGCGACCACTTCTTCTTCTTCTGAGTGTCAAGGGGCAACCGGCTGTGTTGAGC 314
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Db 181 GCCCTGTGCTGAGTGGCGGCGGAGCAGACCGCGGCGGCAATGCTGCTGTGATCTAAC 240
Qy 435 CTCTTGTGGCGGATTTGTCTTTCACAGCGCATCCCTGTAGTGTGCTGCGCGCTG 494
Db 241 CTCTTGTGGCGGACCTGTCTTTCATCAGCGCTATCTCTGTGTTGCGCGCTGTG 300
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Db 301 ACTGAGGCTGAGCTGTGAGGCGCGTGTGCACTGCTGCTCTTCTTACAGTATGACCCTG 360
Qy 555 AGCGGAGCGTCAAGTCTTCACTGAGCGCGGCTGACGCTTGAAGCGCATGTGTGATC 614
Db 361 AGCGGAGCGTCAAGTCTTCACTGAGCGCGGCTGACGCTTGAAGCGCATGTGTGATC 420
Qy 615 GTGCGGCTCGGCGGCGGCTTGAAGCGGCGCGGCGGCGGCACTGAGCGGCACTGTGGCT 674
Db 421 GTGCACTGCAAGCGGCGGCTGTGAGGCTCTGAGCGGCGGCGGCAAGTGTGCTGAGCG 480
Qy 675 TTCAATAGGAGTTACTCGGCGCTCGCGGCTGCGGCTGCTTACATCTTGTTCGCGTGTG 734
Db 481 CTGATCTGAGGCTATTCGCGGCGGCTGCGGCTGCTGCTGCTGCTGCTTCTTCCAGTGTG 540
Qy 735 CGGACGCGCTTTCGCGGCGGAGCAAGAAATTCGATTTGCAATTTGATTTGCCCAAC 794
Db 541 CGGCAAGGCTCCCGGCGGCGGCAAGAAATTCGATTTGCACTGATTTGGCCAC 600
Qy 795 CGCATAGAGAAATCTCATGGAGTGTGTTTTTGAGACTTTGAACTTCTGTCGCGCGGA 854
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Qy 1155 TACAACTGTCTGCTGTTCAGAAAGCAATGAGGAGAAATTTTGTGCTCTTCTTTTCCA 1214
Db 961 TACAACTGTACACTGTGCGAGAAATGAGTGGAGAAATTTTGTGCTCTTCTGTTCCCA 1020
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Db 1021 GAAAAAGGAGCCATTTTACAGACATCTGTCAAAAAGAAATGACTGTGATTAATTTCT 1080
Qy 1275 AGCTAA 1280
Db 1081 GGCTAA 1086
RESULT 15
US-10-768-878-1
; Sequence 1, Application US/10768878
; Publication No. US20040161823A1


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; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGRPMY18, EXPRESSED
; FILE OF INVENTION: HIGHLY IN PITUITARY GLAND, COLON CARCINOMA, AND LUNG CANCER CELL
; FILE REFERENCE: D00484 CIP2
; CURRENT APPLICATION NUMBER: US/10/768, 878
; PRIOR FILING DATE: 2004-01-30
; PRIOR APPLICATION NUMBER: U.S. 09/992,331
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: U.S. 60/248,483
; PRIOR FILING DATE: 2000-11-14
; PRIOR APPLICATION NUMBER: U.S. 10/262,313
; PRIOR FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: U.S. 60/261,782
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: U.S. 60/308,540
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-768-878-1

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Query Match      52.5%: Score 818.8; DB 7; Length 1086;
Best Local Similarity 84.6%: Pred. No. 1.1e-209;
Matches 919; Conservative 0; Mismatches 167; Indels 0; Gaps 0;

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QY 195 ATGTCCTCCCTGAGTGTGACACGAGCGGCGCTGCTGCGACACCTGAGCAAGTC 254
DB 1 ATGTCCTCCCTGAGTGTGACACGAGCGGCGCTGCTGCGACACCTGAGCAAGTC 60
QY 255 AATGCGACCCACTTCTCTTCTTCTGAGTCAAGGCGACACCGGTTGTGTAGC 314
DB 61 AACCGCACCCGCTTCTCTTCTTCTGAGTCAAGGCGACACCGGTTGTGTAGC 120
QY 315 GTGTGAGAGACACCGCTTCTGAGTCAAGTGTGAGTGTGTGTGTGTGTGTGTGTGT 374
DB 121 GCGGTGAGAGACACCGCTTCTGAGTGTGAGTGTGTGTGTGTGTGTGTGTGTGTGT 180
QY 375 GCTCTAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 434
DB 181 GCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 240
QY 435 CTCTTCTGCGGGAATTTGCTTCTTCAACGAGCGCATCCCTCTAGTGTGTGTGTGT 494
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DB 301 ACTGAGGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 360
QY 555 AGCGGACAGCTTCAAGTCTTCAACGAGCGCGGTCAAGCTGAGCGCATGTGTGTGTGT 614
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QY 795 CGCATAGAGAAATCTCATGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 854
DB 601 ATTCTGTGAGAGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 660

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QY 855 CTGTCTATTTGATCAGTACTTCCAAATTTTACAGATCAAGAAAGATCGCGAAGAG 914
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QY 915 CTATGCTGAGCTTGGCATCTGTGAGAGCCAGATCCGAGTGTCCCAACAAGACTAC 974
DB 721 CTCAAGGTAAGCTTGGCATCTGTGAGAGCCAGATCCGAGTGTCCCAACAAGACTAC 780
QY 975 CGACTCTTCCGAGCGCTTCTGCTGATGATGTTTCTTTCATCATGTGAGTCCATC 1034
DB 781 CGGCTCTTCCGAGCGCTTCTGCTGATGATGTTTCTTTCATCATGTGAGTCCATC 840
QY 1035 ATCATACCAATCTCTCATCTTGTATCCAAACTTCGCGAGAGCTGTATCTGCGCA 1094
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QY 1095 TCCCTTTTCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1154
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QY 1215 GAGAAAGGAGCAATTTTACAGATAGCTGTGTGAGGAAATGACTGTGTATTTTC 1274
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QY 1275 AGCTAA 1280
DB 1081 GGCTAA 1086

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Job time : 1378 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 9, 2005, 03:14:25 ; Search time 724 Seconds
(without alignments)
805.543 Million cell updates/sec

Title: US-10-077-698-5
Perfect score: 1560
Sequence: 1 tctgcacgcgcgcgtacg.....aaaaaaaaaaaaaaaa 1560

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 3392430 seqs, 186927314 residues

Total number of hits satisfying chosen parameters: 6784860

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA_New:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	283.6	18.2	1104	US-10-980-388-10	Sequence 10, Appl
2	224	14.4	426	US-10-980-388-33	Sequence 33, Appl
3	57.4	3.7	1685	US-10-750-185-36071	Sequence 36071, A
4	55.4	3.6	246960	US-11-121-086-8	Sequence 8, Appl
5	50.4	3.2	1594	US-11-170-153-9	Sequence 9, Appl
6	50.4	3.2	1594	US-11-170-153-11	Sequence 11, Appl
7	50.4	3.2	1658	US-11-170-153-1	Sequence 1, Appl
8	50.4	3.2	1658	US-11-170-153-3	Sequence 3, Appl
9	50.4	3.2	1658	US-11-170-153-5	Sequence 5, Appl
10	50.4	3.2	1658	US-11-170-153-7	Sequence 7, Appl
11	49.6	3.2	1984	US-10-467-657-8555	Sequence 8555, Ap
12	49.6	3.2	1984	US-10-528-031-17	Sequence 17, Appl
13	43.8	2.8	1475	US-10-528-031-17	Sequence 17, Appl
14	43.4	2.8	153376	US-11-121-086-5	Sequence 5, Appl
15	42.4	2.7	437	US-10-821-234-402	Sequence 402, Appl
16	41.8	2.7	1014	US-10-980-388-55	Sequence 55, Appl
17	41.2	2.6	191684	US-11-121-086-2	Sequence 2, Appl
18	40.4	2.6	939	US-10-980-388-53	Sequence 53, Appl
19	40.4	2.6	1611	US-10-980-388-2	Sequence 2, Appl
20	40.4	2.6	1612	US-10-980-388-51	Sequence 51, Appl
21	40.2	2.6	537	US-10-980-388-34	Sequence 34, Appl
22	40.2	2.6	169495	US-11-121-086-61	Sequence 61, Appl
23	39.8	2.6	600	US-10-750-185-4248	Sequence 4248, Ap

24	39.8	2.6	611587	US-11-117-187-209	Sequence 209, App
25	39.6	2.5	2025	US-11-167-048-2	Sequence 2, Appl
26	39.4	2.5	1170	US-10-980-388-56	Sequence 56, Appl
27	39.4	2.5	1449	US-10-980-388-36	Sequence 36, Appl
28	39.2	2.5	2228	US-10-750-185-46763	Sequence 46763, A
29	39	2.5	2933	US-10-131-826A-345	Sequence 345, App
30	38.8	2.5	564	US-10-980-388-38	Sequence 38, Appl
31	38.8	2.5	750	US-10-986-501-31	Sequence 31, Appl
32	38.8	2.5	1410	US-10-992-577-11	Sequence 11, Appl
33	38.8	2.5	1707	US-10-750-185-28131	Sequence 28131, A
34	38.8	2.5	6691	US-11-186-284-3	Sequence 3, Appl
35	38.6	2.5	1792	US-10-750-185-47869	Sequence 47869, A
36	38.4	2.5	1058	US-10-627-633-5	Sequence 5, Appl
37	38.4	2.5	1452	US-10-750-185-36691	Sequence 1095, A
38	38.2	2.4	1419	US-11-055-822-1095	Sequence 1095, Ap
39	38.2	2.4	1703	US-10-750-185-52537	Sequence 52537, A
40	37.8	2.4	2095	US-10-750-185-61969	Sequence 61969, A
41	37.8	2.4	2368	US-10-131-826A-423	Sequence 423, App
42	37.6	2.4	986	US-10-750-185-33027	Sequence 33027, A
43	37.6	2.4	1225	US-10-955-054A-112	Sequence 112, App
44	37.6	2.4	1482	US-10-750-185-34019	Sequence 34019, A
45	37.6	2.4	2467	US-10-750-185-29248	Sequence 29248, A

ALIGNMENTS

RESULT 1
US-10-980-388-10
Sequence 10, Application US/10980388
Publication No. US20050255490A1
GENERAL INFORMATION:
APPLICANT: Vogeli, Gabriel
APPLICANT: Parodi, Luis A.
APPLICANT: Hiebsch, Ronald R.
APPLICANT: Lind, Peter
APPLICANT: Kaytes, Paul S.
APPLICANT: Ruff, Valerie
APPLICANT: Huff, Rita M.
APPLICANT: Wood, Linda S.
TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related App
FILE REFERENCE: 00325, US1
CURRENT APPLICATION NUMBER: US/10/980,388
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/791,932
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/184,305
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,304
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,303
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,397
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,247
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/188,880
PRIOR FILING DATE: 2000-03-13
PRIOR APPLICATION NUMBER: 60/217,369
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/217,370
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/218,492
PRIOR FILING DATE: 2000-07-20
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 184
SOFTWARE: PatentIn version 3.0
SEQ ID NO 10
LENGTH: 1104
TYPE: DNA
ORGANISM: Homo sapiens
US-10-980-388-10

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				Gaps 1
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QY	441	TGCGCGGATTTGCTCTTTCACACAGCGGCATCCTCTAGTGTCTGTGTGCGCTGTGACTGAG	500	
Db	69	TGCGCGGAGCTGCTCTTTCATCAGCCCTATCCTCTGTGTGTGCGCGCTGAGACTGAG	128	
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Db	129	GCTTGCGCTGTGGGGCCCGCTTGTCTGTGCACCTGCTCTTTCATAGTATGACCTGAGCGAG	188	
QY	561	AGCGTCACGATCTTCACACTGCGCGCGCGGTGACGCTTGAGAGCGAGTGTGCACTGTCGCG	620	
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QY	621	CTCCGCGCGCGCTTTCAGAGCGGCCCGCGGGGCGCGGAGCTCAGAGCGGCACCTGTGCTTTCA	680	
Db	249	CTGACGCGCGGCGTCCGGGGTCTTGGGCGCGCGGCGCGGAGAGTGTCTGTGCGCTCAATC	308	
QY	681	TGGGATTACTCGGCGCGCTGCGCGCGGTGCGCCCTTCAATCTTGTTCGCGGTGTCTCCGAG	740	
Db	309	TGGGCTATTTGGGCGGTGCGCGCTGTGCTCTCTGTGCTTTCTTCAGAGTGTCTCCGCA	368	
QY	741	GCGCTTCCCGGCGGGGACCTAG	782	
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RESULT 2
US-10-980-388-33
; Sequence 33, Application US/10980388
; Publication No.: US20050255490A1
; GENERAL INFORMATION:
; APPLICANT: Vogel, Gabriel
; APPLICANT: Parodi, Luis A.
; APPLICANT: Hiebsch, Ronald R.
; APPLICANT: Lind, Peter
; APPLICANT: Kaytes, Paul S.
; APPLICANT: Ruff, Valerie
; APPLICANT: Ruff, Rita M.
; APPLICANT: Wood, Linda S.
; TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related Appl
; FILE REFERENCE: 00325.US1
; CURRENT APPLICATION NUMBER: US/10/980,388
; PRIOR FILING DATE: 2004-11-02
; PRIOR APPLICATION NUMBER: US/09/791,932
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/184,305
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,304
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,303
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,397
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,247
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/188,880
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/217,369
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/217,370
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/218,492
; PRIOR FILING DATE: 2000-07-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.0

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; SEQ ID NO 33
; LENGTH: 426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-980-388-33

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Db	259	TGGTCTCTTCTTATCATGTGAGGCCCATCATCATATTCATCTCTTAATCTGAATCC	318
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RESULT 3
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: Sequence 36071, Application US/10750185
: Publication No. US20050260603A1
: GENERAL INFORMATION:
: APPLICANT: MMI GENOMICS, INC.
: APPLICANT: DENISE, Sue K.
: APPLICANT: KERR, Richard
: APPLICANT: ROSENFELD, David
: APPLICANT: HOLM, Tom
: APPLICANT: BATES, Stephen
: APPLICANT: FANTIN, Dennis
: TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
: FILE REFERENCE: MM1100-2
: CURRENT APPLICATION NUMBER: US/10/750,185
: CURRENT FILING DATE: 2003-12-31
: PRIOR APPLICATION NUMBER: US 60/437,482
: PRIOR FILING DATE: 2002-12-31
: NUMBER OF SEQ ID NOS: 64922
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 36071
:
: LENGTH: 1685
:
: TYPE: DNA
: ORGANISM: Bovine
:
: US-10-750-185-36071

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Query Match	3.7%	Score	57.4	DB	6	Length	1685
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Best Match 172; Conservative	0	Mismatches	191			Indels	0
						Gaps	0

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QY	530	CTGTGCTTTTCACTGATGAGACATGAGGGGAGCGTCAACATCTCAACCTGGCCGCGGCT	589
Db	1120	CTGTGTGCTCAGCGGTGACGACATCATATTTCAACGAGCATCTACTGTGACCTGTCT	1061

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QY 590 CAGCTGAGGAGCATGTCATGTCAGCTCGGCTCCGGCGGCTTGAAGGCGCGGCGG 649
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1060 TAGCTGAGACCGCTACGTCGCGCGTGTGTCACCCCATCAAGCCGACCTACCGCGG 1001
QY 650 GCGGACTGAGCGGCACTGTCGCTTTGATATGGGGTTACTCGGCGTTCGCGCGGCTCC 709
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1000 CACCGTGCAAGGTCGTAATCTGGGCGTGTGGTGTGTCGCTGCTGTCATTTCTGCC 941
QY 710 CCTTACATCTTTTTCGCGGTCGTCGCGGAGCGCTTCCGGCGGAGCAAGAAATTC 769
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 940 CATGTGCTTCTTCGCGGACGCGGCGGCAAGGAGCGGCAAGGTCGCTCAATGCT 881
QY 770 GAT 772
    |||
Db 880 CAT 878
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```
RESULT 4
US-11-121-086-8
; Sequence 8, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138, 6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIOR FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 8
; LENGTH: 246960
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-8
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Query Match 3.6%; Score 55.4; DB 7; Length 246960;
Best Local Similarity 48.0%; Pred. No. 0.0047;
Matches 158; Conservative 0; Mismatches 171; Indels 0; Gaps 0;

QY 314 CGTGTGAGAGACACCGTTCTGGGACTCATCTTTGTGCTCAGTGTGGGCAAGTGTG 373
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 120652 CGTGTGAGAGACCGTTCTGGGACTCATCTTTGTGCTCAGTGTGGGCAAGTGTG 120711
QY 374 TGCTTAGTGTGTCGTCGCGCGCTGTCGCGCGCTGTCGCGCTGTCGCTCA 433
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 120712 GGTGTCGTGATCTCTGAGCGGCAACGCGGCAACGAGTTCACAGAGACTTCTGTT 120771
QY 434 CTTCTTTCGCGGAGATTGCTCTTACACGCGCATCCCTCTAGTGTGTCGTCGCTG 493
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 120772 CCACTGCGCGCTGCGCGGCTCTGTCGTCGTCCTTCTGCTTTCGTCGCGGAGG 120831
QY 494 GACTGAGGCGGCTGTCGTCGCGCGCTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 553
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 120832 CTCTGTGAGCTGCGGCTCTGCGGAGCTTCTCTGCAAACTGTGATGTCCTGCA 120891
QY 554 GAGCGGAGCGTCACTCACTCACTGAGCGCGCTGAGCGCTGAGCGCATGTCGTCAT 613
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 120892 CAATTTCTAGTCGAGAGCGCTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCAT 120951
QY 614 CGTGGCTCTCGCGCGGCTTGAAGCGGC 642
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 120952 TGTCCAGCGCTTCATGCTTACCGCCAC 120980
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RESULT 5
US-11-170-153-9
; Sequence 9, Application US/11170153
; Publication No. US20050266529A1
; GENERAL INFORMATION:
; APPLICANT: DELBERSNIDER, WILLY
```

```
; APPLICANT: WESSP, GUY NYS
; APPLICANT: VENEMA, JAKOB
; APPLICANT: BERGER, CLAUDIA
; APPLICANT: LOKEN, CHRISTIANE
; TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
; FILE REFERENCE: 01975-0034
; CURRENT APPLICATION NUMBER: US/11/170,153
; PRIOR FILING DATE: 2005-06-30
; PRIOR APPLICATION NUMBER: US/10/088,744
; PRIOR FILING DATE: 2002-03-22
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 9
; LENGTH: 1594
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (55)..(942)
; OTHER INFORMATION: IGS4A truncated DNA long version
US-11-170-153-9
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Query Match 3.2%; Score 50.4; DB 7; Length 1594;
Best Local Similarity 48.9%; Pred. No. 0.0065;
Matches 135; Conservative 0; Mismatches 141; Indels 0; Gaps 0;

QY 487 TGCGTGAAGTGAAGCGCTGCTGTCGCGCGCGCTGTCGTCGTCGTCGTCGTCGTCG 546
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 371 TGCGCGCAACTACCTCTTCTGTCGCGCGCGCTGTCGTCGTCGTCGTCGTCGTCGTCG 430
QY 547 TGACAATGAGCGGAGGTCACGATCTCTCACTGCGCGCGGTCGTCGTCGTCGTCGTCG 606
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 431 TTGAGACCGTGTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCG 490
QY 607 TGTCATGTCGCGCTCGCGCGCGCTTGAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 666
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 491 TGCGCATCTACACCGCTTTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 550
QY 667 TGCTGCTTCAATGAGGTTACTGCGCGCTGCGCGCGCTGCGCGCGCTGCGCGCGCTGCG 726
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 551 TCTCGGCGCATGTCGTCGCGCGCTTCTCGCTCTTCTCTGCGCGCGCGCGCGCGCGCGCG 610
QY 727 GCGTGTCCGCGCGCGCTTCCCGCGGAGCGAG 762
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 611 GCATCAAGTTCACACTTCTCCCAATGATGTCCTGG 646
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RESULT 6
US-11-170-153-11
; Sequence 11, Application US/11170153
; Publication No. US20050266529A1
; GENERAL INFORMATION:
; APPLICANT: DELBERSNIDER, WILLY
; APPLICANT: WESSP, GUY NYS
; APPLICANT: VENEMA, JAKOB
; APPLICANT: BERGER, CLAUDIA
; APPLICANT: LOKEN, CHRISTIANE
; TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
; FILE REFERENCE: 01975-0034
; CURRENT APPLICATION NUMBER: US/11/170,153
; PRIOR FILING DATE: 2005-06-30
; PRIOR APPLICATION NUMBER: US/10/088,744
; PRIOR FILING DATE: 2002-03-22
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 11
; LENGTH: 1594
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (64)..(942)
; OTHER INFORMATION: IGS4A truncated DNA short version
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US-11-170-153-11

Query Match 3.2%; Score 50.4; DB 7; Length 1594;
Best Local Similarity 48.9%; Pred. No. 0.0065;
Matches 135; Conservative 0; Mismatches 141; Indels 0; Gaps 0;

QY 487 TGGCTGAGCTGAGGCTGCTGTGGGCGCCGCTGCTGCACTGCTCTTCTACGTGA 546
DB 371 TGTGGCGCACTACCTCTTCTGTGGGCGCCGCTGCTCTTCAAGACGCGCTCT 430
QY 547 TGAATAGAGCGGAGGCTGACGATCTCTACACTGGCGCGGTGAGCTGAGCGCATG 606
DB 431 TTGAGACCGGTGCTTCTGCTCCATCTCTGACATCAACCGGTGAGCGCTTACG 490
QY 607 TGTGATCTGTCGCGCTCCGCGGCGCTTGAAGCGCCCGGCGGAGCTCAGCGGAC 666
DB 491 TGGCCATCTTACACCGCTTCCGCGCAACTGACAGACACCGCGCGGCGCTTACGA 550
QY 667 TGTGCTTTTCAATAGGGTTACTCGGCGCTCGCGCGCTGCGCTCTTACATCTTTC 726
DB 551 TCTCGGCACTGCTGGGCGCTTCTCGGTGCTTCTTCTCCGCGCAACAGCATCCATG 610
QY 727 GCGTGTCCCGCAGCGCTTCCGCGGAGCAAG 762
DB 611 GCATCAAGTTCCACTACTTCCCAATGGGTCCCTGG 646

RESULT 7

US-11-170-153-1

/ Sequence 1, Application US/11/170153
/ Publication No. US2005026529A1
/ GENERAL INFORMATION:
/ APPLICANT: DELEERSNIJDER, WILLY
/ APPLICANT: WEESP, GUY NYS
/ APPLICANT: VENEMA, JAKOB
/ APPLICANT: BERGER, CLAUDIA
/ APPLICANT: LOKEN, CHRISTIANE
/ TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
/ FILE REFERENCE: 01975-0034
/ CURRENT APPLICATION NUMBER: US/11/170,153
/ PRIOR FILING DATE: 2005-06-30
/ PRIOR APPLICATION NUMBER: US/10/088,744
/ NUMBER OF SEQ ID NOS: 35
/ SOFTWARE: PatentIn Ver. 3.2
/ SEQ ID NO 1
/ LENGTH: 1658
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (55)..(1299)
/ OTHER INFORMATION: IGS4A long version
US-11-170-153-1

Query Match

3.2%; Score 50.4; DB 7; Length 1658;
Best Local Similarity 48.9%; Pred. No. 0.0067;
Matches 135; Conservative 0; Mismatches 141; Indels 0; Gaps 0;

QY 487 TGGCTGAGCTGAGGCTGCTGTGGGCGCCGCTGCTGCACTGCTCTTCTACGTGA 546
DB 371 TGTGGCGCACTACCTCTTCTGTGGGCGCCGCTGCTCTTCAAGACGCGCTCT 430
QY 547 TGAATAGAGCGGAGGCTGACGATCTCTACACTGGCGCGGTGAGCTGAGCGCATG 606
DB 431 TTGAGACCGGTGCTTCTGCTCCATCTCTGACATCAACCGGTGAGCGCTTACG 490
QY 607 TGTGATCTGTCGCGCTCCGCGGCGCTTGAAGCGCCCGGCGGAGCTCAGCGGAC 666
DB 491 TGGCCATCTTACACCGCTTCCGCGCAACTGACAGACACCGCGCGGCGCTTACGA 550
QY 667 TGTGCTTTTCAATAGGGTTACTCGGCGCTCGCGGCTGCGCTCTTACATCTTTC 726

DB 551 TCTCGGCACTGCTGGGCGCTTCTCGTCTCTTCTCCCTGCCCAACACGATCCATG 610
QY 727 GCGTGTCCCGCAGCGCTTCCGCGGAGCAAG 762
DB 611 GCATCAAGTTCCACTACTTCCCAATGGGTCCCTGG 646

RESULT 8

US-11-170-153-3

/ Sequence 3, Application US/11/170153
/ Publication No. US2005026529A1
/ GENERAL INFORMATION:
/ APPLICANT: DELEERSNIJDER, WILLY
/ APPLICANT: WEESP, GUY NYS
/ APPLICANT: VENEMA, JAKOB
/ APPLICANT: BERGER, CLAUDIA
/ APPLICANT: LOKEN, CHRISTIANE
/ TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
/ FILE REFERENCE: 01975-0034
/ CURRENT APPLICATION NUMBER: US/11/170,153
/ PRIOR FILING DATE: 2005-06-30
/ PRIOR APPLICATION NUMBER: US/10/088,744
/ NUMBER OF SEQ ID NOS: 35
/ SOFTWARE: PatentIn Ver. 3.2
/ SEQ ID NO 3
/ LENGTH: 1658
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (64)..(1299)
/ OTHER INFORMATION: IGS4A short version
US-11-170-153-3

Query Match

3.2%; Score 50.4; DB 7; Length 1658;
Best Local Similarity 48.9%; Pred. No. 0.0067;
Matches 135; Conservative 0; Mismatches 141; Indels 0; Gaps 0;

QY 487 TGGCTGAGCTGAGGCTGCTGTGGGCGCCGCTGCTGCACTGCTCTTCTACGTGA 546
DB 371 TGTGGCGCACTACCTCTTCTGTGGGCGCCGCTGCTCTTCAAGACGCGCTCT 430
QY 547 TGAATAGAGCGGAGGCTGACGATCTCTACACTGGCGCGGTGAGCTGAGCGCATG 606
DB 431 TTGAGACCGGTGCTTCTGCTCCATCTCTGACATCAACCGGTGAGCGCTTACG 490
QY 607 TGTGATCTGTCGCGCTCCGCGGCGCTTGAAGCGCCCGGCGGAGCTCAGCGGAC 666
DB 491 TGGCCATCTTACACCGCTTCCGCGCAACTGACAGACACCGCGCGGCGCTTACGA 550
QY 667 TGTGCTTTTCAATAGGGTTACTCGGCGCTCGCGCGCTGCGCTCTTACATCTTTC 726
DB 551 TCTCGGCACTGCTGGGCGCTTCTCGGTGCTTCTTCTCCGCGCAACAGCATCCATG 610
QY 727 GCGTGTCCCGCAGCGCTTCCGCGGAGCAAG 762
DB 611 GCATCAAGTTCCACTACTTCCCAATGGGTCCCTGG 646

RESULT 9

US-11-170-153-5

/ Sequence 5, Application US/11/170153
/ Publication No. US2005026529A1
/ GENERAL INFORMATION:
/ APPLICANT: DELEERSNIJDER, WILLY
/ APPLICANT: WEESP, GUY NYS
/ APPLICANT: VENEMA, JAKOB
/ APPLICANT: BERGER, CLAUDIA
/ APPLICANT: LOKEN, CHRISTIANE
/ TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
/ FILE REFERENCE: 01975-0034
/ CURRENT APPLICATION NUMBER: US/11/170,153

! CURRENT FILING DATE: 2005-06-30
! PRIOR APPLICATION NUMBER: US/10/088,744
! PRIOR FILING DATE: 2002-03-22
! NUMBER OF SEQ ID NOS: 35
! SOFTWARE: Patentin Ver. 3.2
! SEQ ID NO 5
! LENGTH: 1658
! TYPE: DNA
! ORGANISM: Homo sapiens
! FEATURE:
! NAME/KEY: CDS
! LOCATION: (55)..(1299)
! OTHER INFORMATION: IGS4B long version
US-11-170-153-5

Query Match 3.2%; Score 50.4; DB 7; Length 1658;
Best Local Similarity 48.9%; Pred. No. 0.0067;
Matches 135; Conservative 0; Mismatches 141; Indels 0; Gaps 0;

QY 487 TGCGCTGAGTGAAGCGCTGCTGTGGGGCCCGTGCCTGTGACCTGCTTTACGTGA 546
DB 371 TGTGGCCGAATACCTTTTGTGTGGGGCCCGTGGGCTGTACTTCAAGACGGCCTCT 430
QY 547 TGACAAATGAGCGGAGCGTCAAGATCTTCACTGCGCGGTGAGCTTGAGCGCATG 606
DB 431 TTGAGACCGTGTGCTTGGCCTTCCATCTCAGCATCACCAGGTGAGGGCTAAG 490
QY 607 TGTGATCTGTCGCGCTCCGGGGCGGCTTGAGACCGCGGGCGGAGTACAGCGGCAC 666
DB 491 TGGCATCTCTACACCCGCTTCCGCGCAAACTGACAGACACCGCGCGGCGCTCAGA 550
QY 667 TGCTGCTTTATATGAGGTTACTCGGCGCTCGCGCGTCCCTTACATTTGTTCC 726
DB 551 TCTCGGCGATGCTGTGGGGCTTCTCGCTCTTCTTCTCCCTCCCAACACGATCATG 610
QY 727 GCGTGTCCCGACGCGCTTCCCGCGGAGCAGG 762
DB 611 GCATCAAGTTCACACTTCCCAATGAGGTCCCTGG 646

RESULT 10
US-11-170-153-7
! Sequence 7, Application US/11170153
! Publication No. US20050266529A1
! GENERAL INFORMATION:
! APPLICANT: DELERSNIDER, WILLY
! APPLICANT: WESP, GUY NYS
! APPLICANT: VENEMA, JAKOB
! APPLICANT: BERGER, CLAUDIA
! APPLICANT: LOKEN, CHRISTIANE
! TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
! FILE REFERENCE: 01975-0034
! CURRENT APPLICATION NUMBER: US/11/170,153
! PRIOR FILING DATE: 2005-06-30
! PRIOR APPLICATION NUMBER: US/10/088,744
! PRIOR FILING DATE: 2002-03-22
! NUMBER OF SEQ ID NOS: 35
! SOFTWARE: Patentin Ver. 3.2
! SEQ ID NO 7
! LENGTH: 1658
! TYPE: DNA
! ORGANISM: Homo sapiens
! FEATURE:
! NAME/KEY: CDS
! LOCATION: (64)..(1299)
! OTHER INFORMATION: IGS4B short version
US-11-170-153-7

Query Match 3.2%; Score 50.4; DB 7; Length 1658;
Best Local Similarity 48.9%; Pred. No. 0.0067;
Matches 135; Conservative 0; Mismatches 141; Indels 0; Gaps 0;
QY 487 TGCGCTGAGTGAAGCGCTGCTGTGGGGCCCGTGCCTGTGACCTGCTTTACGTGA 546

DB 371 TGTGGCCGAATACCTTTTGTGTGGGGCCCGTGGGCTGTACTTCAAGACGGCCTCT 430
QY 547 TGACAAATGAGCGGAGCGTCAAGATCTTCACTGCGCGGTGAGCTTGAGCGCATG 606
DB 431 TTGAGACCGTGTGCTTGGCCTTCCATCTCAGCATCACCAGGTGAGGGCTAAG 490
QY 607 TGTGATCTGTCGCGCTCCGGGGCGGCTTGAGACCGCGGGCGGAGTACAGCGGCAC 666
DB 491 TGGCATCTCTACATCCGTTCCGCGCAAACTGACAGACACCGGCGCGGCGCTCAGA 550
QY 667 TGCTGCTTTATATGAGGTTACTCGGCGCTCGCGCGTCCCTTACATTTGTTCC 726
DB 551 TCTCGGCGATGCTGTGGGGCTTCTCGGCTCTTCTCCCTGCCAACACGATCATG 610
QY 727 GCGTGTCCCGACGCGCTTCCCGCGGAGCAGG 762
DB 611 GCATCAAGTTCACACTTCCCAATGAGGTCCCTGG 646

RESULT 11
US-10-467-8555/C
! Sequence 8555, Application US/10467657
! Publication No. US20050260581A1
! GENERAL INFORMATION:
! APPLICANT: CHIRON SPA
! APPLICANT: FONTANA Maria Rita
! APPLICANT: PIZZA Mariagrazia
! APPLICANT: MONACI Elisabetta
! TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
! FILE REFERENCE:
! CURRENT APPLICATION NUMBER: US/10/467,657
! PRIOR FILING DATE: 2003-08-11
! PRIOR APPLICATION NUMBER: GB-0103424.8
! PRIOR FILING DATE: 2001-02-12
! NUMBER OF SEQ ID NOS: 9218
! SOFTWARE: SeqWin99, version 1.04
! SEQ ID NO 8555
! LENGTH: 747
! TYPE: DNA
! ORGANISM: Neisseria gonorrhoeae
US-10-467-8555

Query Match 3.2%; Score 49.6; DB 6; Length 747;
Best Local Similarity 60.3%; Pred. No. 0.0071;
Matches 82; Conservative 0; Mismatches 54; Indels 0; Gaps 0;

QY 19 GCCCTTCCATGCAATCTCAAGAGGGGTGATGAGTCTTACACCATCAGTGACC 78
DB 137 GCTTCTTCCACAGGATTTATCAACGGGTTATGACATTTGACATTTGCCATGTC 78
QY 79 ACTCCAGACTTGTCCGCTTACCCGATCTTCAACGAGAGTGTGATGATCCCTTGACA 138
DB 77 ACATCCGAACATGCGCTTTCACACGGAATTGACGTTGAGTCCACTAGCGCTTACT 18
QY 139 GCCACGAGCGCGGCA 154
DB 17 GCGACCAAGTCCCTTCA 2

RESULT 12
US-10-502-893-1
! Sequence 1, Application US/10502893
! Publication No. US20050255529A1
! GENERAL INFORMATION:
! APPLICANT: Bayer HealthCare AG
! APPLICANT: Goiz, Stefan
! APPLICANT: Bruggemeier, Ulf
! APPLICANT: Geerts, Andreas
! TITLE OF INVENTION: Diagnostic and Therapeutics for Diseases Associated with a New
! FILE REFERENCE: Lea 35 827

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OM nucleic - nucleic search, using sw model

Run on: December 9, 2005, 03:03:20 : Search time 305 Seconds
(without alignments)
9091.791 Million cell updates/sec

Title: US-10-077-698-5

Perfect score: 1560
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1560	100.0	1560	US-09-261-599B-5	Sequence 5, Appli
2	1560	100.0	1560	US-09-456-455A-5	Sequence 5, Appli
3	866.2	55.5	1743	US-09-261-599B-2	Sequence 2, Appli
4	866.2	55.5	1743	US-09-456-455A-2	Sequence 2, Appli
5	181	11.6	181	US-09-456-455A-14	Sequence 14, Appli
6	138	8.8	138	US-09-456-455A-15	Sequence 15, Appli
7	128.4	8.2	241	US-09-328-111-472	Sequence 472, App
8	128.4	8.2	835	US-09-949-016-5658	Sequence 5658, Ap
9	106	6.8	487	US-09-513-999C-2279	Sequence 2279, Ap
10	80.6	5.2	722	US-09-270-767-10990	Sequence 10990, A
11	77	4.9	601	US-09-949-016-201753	Sequence 201753,
12	77	4.9	25041	US-09-949-016-17400	Sequence 17400, A
13	65.4	4.2	4895	US-09-053-866-1	Sequence 1, Appli
14	65.4	4.2	4895	US-09-479-130-1	Sequence 1, Appli
15	65.4	4.2	4895	US-09-472-130A-1	Sequence 1, Appli
16	64.2	4.1	930	US-09-252-991A-1997	Sequence 1997, Ap
17	64	4.1	777	US-09-252-991A-1732	Sequence 1732, Ap
18	62	4.0	1047	US-08-540-650B-6	Sequence 6, Appli
19	62	4.0	1050	US-09-826-509-502	Sequence 502, App
20	62	4.0	1053	US-09-016-434-1423	Sequence 1423, Ap
21	62	4.0	1882	US-08-540-650B-11	Sequence 11, Appli
22	58.4	3.7	1092	US-08-693-308-1	Sequence 1, Appli
23	58.4	3.7	1092	US-09-077-675A-15	Sequence 15, Appli
24	58.4	3.7	1092	US-09-077-674-15	Sequence 15, Appli

25	58.4	3.7	1095	US-09-743-475-2	Sequence 2, Appli
26	58.4	3.7	3129	US-09-077-675A-14	Sequence 14, Appli
27	58.4	3.7	3129	US-09-077-674-14	Sequence 14, Appli
28	58.4	3.7	4009	US-09-743-475-1	Sequence 1, Appli
29	57.6	3.7	855	US-09-328-352-3024	Sequence 3024, Ap
30	57.6	3.7	2126	US-08-789-354-1	Sequence 1, Appli
31	57.6	3.7	2126	US-09-110-937-1	Sequence 1, Appli
32	57.6	3.7	2126	US-09-058-725B-1	Sequence 1, Appli
33	57.6	3.7	2126	US-09-232-857-1	Sequence 1, Appli
34	57.2	3.7	1164	US-08-993-088A-6	Sequence 6, Appli
35	57.2	3.7	1164	US-08-993-424B-6	Sequence 6, Appli
36	57.2	3.7	1164	US-09-603-680-6	Sequence 6, Appli
37	57.2	3.7	1164	US-09-826-509-504	Sequence 504, App
38	57.2	3.7	1219	US-08-981-700A-3	Sequence 3, Appli
39	57.2	3.7	1365	US-08-899-112B-27	Sequence 27, Appli
40	57.2	3.7	1365	US-09-011-553-4	Sequence 4, Appli
41	55.4	3.6	1119	US-09-013-634-3	Sequence 3, Appli
42	55.4	3.6	1119	US-09-170-496D-65	Sequence 65, Appli
43	55.4	3.6	1119	US-09-170-496D-199	Sequence 199, App
44	55.4	3.6	1679	US-08-202-056-6	Sequence 6, Appli
45	55.4	3.6	1679	US-08-076-093A-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1									
US-09-261-599B-5									
: Sequence 5, Application US/09261599B									
: Patent No. 6395877									
: GENERAL INFORMATION:									
: APPLICANT: Gluckmann, Maria A.									
: TITLE OF INVENTION: 142/3 Receptor, A No. 6395877el C-Protein Coupled Receptor									
: FILE REFERENCE: 5800-4B, 035800/177086									
: CURRENT APPLICATION NUMBER: US/09/261,599B									
: PRIOR FILING DATE: 1999-02-26									
: PRIOR APPLICATION NUMBER: 09/107,761									
: PRIOR FILING DATE: 1998-06-30									
: PRIOR APPLICATION NUMBER: 09/223,538									
: NUMBER OF SEQ ID NOS: 7									
: SOFTWARE: PatentIn Ver. 2.1									
: SEQ ID NO 5									
: LENGTH: 1560									
: TYPE: DNA									
: ORGANISM: Murine ortholog									
US-09-261-599B-5									
Query Match									
Best Local Similarity 100.0%; Score 1560; DB 3; Length 1560;									
Matches 1560; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
Qy	1	TTGCAAGCTCAGCGTAAGCCTCTTCCATGCAATCTCAGAAAGGGATTGAGATGC	60						
Db	1	TTGCAAGCTCAGCGTAAGCCTCTTCCATGCAATCTCAGAAAGGGATTGAGATGC	60						
Qy	61	TTACACCATCAGTACGACCTTCCAGCTTTCGCGCTTTAACCAGATCTTCAACGGGAG	120						
Db	61	TTACACCATCAGTACGACCTTCCAGCTTTCGCGCTTTAACCAGATCTTCAACGGGAG	120						
Qy	121	TTGATGACCTTTCGATGACGACGAGCGCGAGCTCCGCATCTTCCGAGCGCTGG	180						
Db	121	TTGATGACCTTTCGATGACGACGAGCGCGAGCTCCGCATCTTCCGAGCGCTGG	180						
Qy	181	GCGGAGCGCGGATGCTCCCTGAGTGTCACAGACGAGGCGCTGCTCCCTCGACA	240						
Db	181	GCGGAGCGCGGATGCTCCCTGAGTGTCACAGACGAGGCGCTGCTCCCTCGACA	240						
Qy	241	CCCTGACCAATGATGACCAATCCATCTTCCCTTTCTTCTGATGTCAGGCGACCA	300						
Db	241	CCCTGACCAATGATGACCAATCCATCTTCCCTTTCTTCTGATGTCAGGCGACCA	300						
Qy	301	GGTTGGTTGAGCGCTGCTGAGACCAACGCTTCCGAGCTCATCTTGTGTCTCACTGC	360						

Db 301 GGTGGTGGTGGAGGTGTGAGAGACACCGTTCTGGGACTCATCTTTGTGCTGCTCACTGC 360
Qy 361 TGGGCAACGTTGTGTCTAGTGTGTGTGGCGCGCCCTCGGCGCCGCGTGGGGCGTCAAGCA 420
Db 361 TGGGCAACGTTGTGTCTAGTGTGTGTGGCGCGCCCTCGGCGCCGCGTGGGGCGTCAAGCA 420
Qy 421 GCGTGGTGTCAACCTCTTCTGCGCGGATTTGCTCTTCAACAGCGCCATCCCTCTAGTGC 480
Db 421 GCGTGGTGTCAACCTCTTCTGCGCGGATTTGCTCTTCAACAGCGCCATCCCTCTAGTGC 480
Qy 481 TCGTGTGCGCTGAGCTGAGGCGCTGCTGTGGGGCCCGTCTGTGCGACCTGCTCTTCT 540
Db 481 TCGTGTGCGCTGAGCTGAGGCGCTGCTGTGGGGCCCGTCTGTGCGACCTGCTCTTCT 540
Qy 541 ACGTGAAGACAAGAGGCGGAGCGTCAACGATCCTTCAACACTGGCGCGGTATGAGCTGGAGC 600
Db 541 ACGTGAAGACAAGAGGCGGAGCGTCAACGATCCTTCAACACTGGCGCGGTATGAGCTGGAGC 600
Qy 601 GCATGTGTGCATCTGTGCGCTCCGCGCGGCTTTGAGCGGCGCGGCGGCGGAGCTCAGG 660
Db 601 GCATGTGTGCATCTGTGCGCTCCGCGCGGCTTTGAGCGGCGCGGCGGCGGAGCTCAGG 660
Qy 661 CGGCACTGTGGCTTTTCAATAGGGTTACTCGCGCTCGCGCGCTGCGCTCTTCACTCT 720
Db 661 CGGCACTGTGGCTTTTCAATAGGGTTACTCGCGCTCGCGCGCTGCGCTCTTCACTCT 720
Qy 721 TGTTCGCGGTGTGTCGCGAGCGCTTCCGCGCGGAGCAAGAAATTCATTTTGACAT 780
Db 721 TGTTCGCGGTGTGTCGCGAGCGCTTCCGCGCGGAGCAAGAAATTCATTTTGACAT 780
Qy 781 TGGATTGGCCCAACCGCATAGAGAAATCTCATGGATGTGTTTTTGAAGACTTTGAACT 840
Db 781 TGGATTGGCCCAACCGCATAGAGAAATCTCATGGATGTGTTTTTGAAGACTTTGAACT 840
Qy 841 TCTGTGTGCGGAGCTGTGATGTGTGATCAGTTACTTCAAAATTTTACAGATCAGAAAG 900
Db 841 TCTGTGTGCGGAGCTGTGATGTGTGATCAGTTACTTCAAAATTTTACAGATCAGAAAG 900
Qy 901 CATGCGGAGAGAGCTTACGCTGAGCTTGGCATCTTGAGAGCCACCAATCCGAGTCT 960
Db 901 CATGCGGAGAGAGCTTACGCTGAGCTTGGCATCTTGAGAGCCACCAATCCGAGTCT 960
Qy 961 CCCAACAAGACTACGAGCTCTTCCGAGCGCTTCTCTGCTCATGTGTTTCTTCTTCA 1020
Db 961 CCCAACAAGACTACGAGCTCTTCCGAGCGCTTCTCTGCTCATGTGTTTCTTCTTCA 1020
Qy 1021 TGTGAGTGTCCATCATCATCAACATCTCTCATCTTGTATCCAAACTTCGCGAGAGC 1080
Db 1021 TGTGAGTGTCCATCATCATCAACATCTCTCATCTTGTATCCAAACTTCGCGAGAGC 1080
Qy 1081 TGTGATCANTGGCCATCCCTTTTCTTCTGGGTGTGGGCTTCAAGTTTGGCAACTGCGCC 1140
Db 1081 TGTGATCANTGGCCATCCCTTTTCTTCTGGGTGTGGGCTTCAAGTTTGGCAACTGCGCC 1140
Qy 1141 TAAACCCCATACTGTACAACATGTGCTGTTCAGAGACGAATGGAGGAATTTTTTGTCT 1200
Db 1141 TAAACCCCATACTGTACAACATGTGCTGTTCAGAGACGAATGGAGGAATTTTTTGTCT 1200
Qy 1201 GCTTCTTTTTTCCAGAGAGGAGCCATTTTTCAGATACGTCGTCAAGCGAAATGACT 1260
Db 1201 GCTTCTTTTTTCCAGAGAGGAGCCATTTTTCAGATACGTCGTCAAGCGAAATGACT 1260
Qy 1261 TGTCTGTATTTTCCAGTAACTAGCCTGTGTGCAAGTGAACAAGGTGTGATGTAA 1320
Db 1261 TGTCTGTATTTTCCAGTAACTAGCCTGTGTGCAAGTGAACAAGGTGTGATGTAA 1320
Qy 1321 GGGAGTTAACTTCAAGGAAAGCCACAGTGTGCGCTTGTAAATAATCCGACTTCCA 1380
Db 1321 GGGAGTTAACTTCAAGGAAAGCCACAGTGTGCGCTTGTAAATAATCCGACTTCCA 1380
Qy 1381 ACAGCAGGCACTTACGAGCCAGCAAAATTAAGAAATGATCGCTCAAGTAAATAATTTT 1440
Db 1381 ACAGCAGGCACTTACGAGCCAGCAAAATTAAGAAATGATCGCTCAAGTAAATAATTTT 1440

Db 1381 ACAGCAGCAGCTTACGAGCCAGCAAAATTAAGAAATGATCGCTCAAGTAAATAATTTT 1440
Qy 1441 TCGTTAAAGACTTTCTAATGGTTCCTTTTGTGAACCTTTTAACTGTGTTAATAT 1500
Db 1441 TCGTTAAAGACTTTCTAATGGTTCCTTTTGTGAACCTTTTAACTGTGTTAATAT 1500
Qy 1501 GATCTAGTTAAATAATTTTAAATTAATTAAGAGTGTCTTCAAAAATTTTTTTTTT 1560
Db 1501 GATCTAGTTAAATAATTTTAAATTAATTAAGAGTGTCTTCAAAAATTTTTTTTTT 1560

RESULT 2
US-09-456-455A-5
; Sequence 5, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Gluckemann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005a1 G-Protein Coupled Receptor
; FILE REFERENCE: NMI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456,455A
; PRIORITY FILING DATE: 1999-12-08
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1560
; TYPE: DNA
; ORGANISM: Murine ortholog
US-09-456-455A-5

Query Match 100.0%; Score 1560; DB 3; Length 1560;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1560; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTGCCAAGCTCAGCGGTAAGCGCTTTCACATGCAATCTCAACAGAAAGGGTTCAATGAGTGC 60
Db 1 TTTGCCAAGCTCAGCGGTAAGCGCTTTCACATGCAATCTCAACAGAAAGGGTTCAATGAGTGC 60
Qy 61 TTCACACATCAGTGAACCACTCCAGACTGTCCGGCTTTAACCGGAATCTTTCACAGCGGAG 120
Db 61 TTCACACATCAGTGAACCACTCCAGACTGTCCGGCTTTAACCGGAATCTTTCACAGCGGAG 120
Qy 121 TCGATACCTCTTTGACAGCCACAGAGCGCGGAGCTCCGCCATCTTCCCGAGCGGTGG 180
Db 121 TCGATACCTCTTTGACAGCCACAGAGCGCGGAGCTCCGCCATCTTCCCGAGCGGTGG 180
Qy 181 GCGGAGCGCGCGGAGTGTCCCTGAGTGTGACAGAGAGCGGAGCGGTGCTCGGACA 240
Db 181 GCGGAGCGCGCGGAGTGTCCCTGAGTGTGACAGAGAGCGGAGCGGTGCTCGGACA 240
Qy 241 CCCTGAGCAAGTCAATGCAACCCACTTCCCTTCTTCTCGAATGTCAAGGGGAGCACCC 300
Db 241 CCCTGAGCAAGTCAATGCAACCCACTTCCCTTCTTCTCGAATGTCAAGGGGAGCACCC 300
Qy 301 GGTGTGTGTTGAGCGTGTGAGAGCAACCGTTCTGGAGTCACTTTTGTGTCTCACTGC 360
Db 301 GGTGTGTGTTGAGCGTGTGAGAGCAACCGTTCTGGAGTCACTTTTGTGTCTCACTGC 360
Qy 361 TGGGCAACGTTGTGTCTAGTGTGTGTGGCGCGCGGTGGGCGCGTGGGGCGTCAAGCA 420
Db 361 TGGGCAACGTTGTGTCTAGTGTGTGTGGCGCGCGGTGGGCGCGTGGGGCGTCAAGCA 420
Qy 421 GCGTGTGTCAACCTCTTCTGCGCGGATTTGCTCTTCAACAGCGCCATCCCTCTAGTGC 480
Db 421 GCGTGTGTCAACCTCTTCTGCGCGGATTTGCTCTTCAACAGCGCCATCCCTCTAGTGC 480
Qy 481 TCGTGTGTGTGAGCTGAGGCGCTGCTGTTGGGGCCCGTGTGTGCACTGCTCTTCT 540
Db 481 TCGTGTGTGTGAGCTGAGGCGCTGCTGTTGGGGCCCGTGTGTGCACTGCTCTTCT 540

Db 750 CATCAAGGAAGAGCTCAGGTAAGCCTGGCTTACTGGAGAGCACAAGATCCGGCTGT 809
QY 961 CCCAAGAAAGCTACCGACTTTCCGACGCTCTTCCGCTCATGGTTTCTTTCTTATCA 1020
Db 810 CCCAGAGAGCTTCCGCTTCCGACCCCTTCTCCATGATGCTCTTCTTATCA 869
QY 1021 TGTGAGTCCCATCATCATCAGCATCTCTCATCTTGTATCAAAAATTCCGAGAGACC 1080
Db 870 TGTGAGAGCCCATCATCATCAGCATCTCTCATCTGATCAAGAACTTCAAGCAGAGACC 929
QY 1081 TGTGATCTGGGCAATCCCTTTCTTGGGTGTGGCTTCAAGCTTTGCCACTGTGCC 1140
Db 930 TGTGATCTGGGCGCTCTCTCTTGGGTGTGGCTTCAATTTGCTTAATTCAGCCC 989
QY 1141 TAAACCCCATCTGTAACAATGTCGCTTTCAGGAAAGAAATGAGAGAAATTTTGTCT 1200
Db 990 TAAACCCCATCTCTAACAATGACATGTGACAGAAATGAGAGAAATTTTGTCT 1049
QY 1201 GCTTCTTTTTCAGAGAAAGGAGCCATTTTTCAGATACGTCTGACGAGAAATGACT 1260
Db 1050 GCTTCTGGTTCAGAGAAAGGAGCCATTTTTCAGACACATCTGTCAAAAGAAATGACT 1109
QY 1261 TGTCTGTTATTTCCAGCTAA-----CTAGCCTGTGGTCCAGGTGAACAC 1306
Db 1110 TGTGATTTATTTCTGGCTAATTTTCTTATAGCCGAGTTCTCACACCTGGGAGCTGT 1169
QY 1307 GGTGTGATGTAAGGAGATTAATCTCAAGAAAGCCACAGCTGGCCCTGCTTAAAA 1366
Db 1170 GGAATGCTTTTAAACAGAGTTCAATTCAGTACCTTCATCAGAGCACTGTCTTAAAG 1229
QY 1367 ATACCCGACTTCCAAAGCAGAGCATCTACGAGCAGCAAAATTAAGAAATGATCGCTAG 1426
Db 1230 A-AATGAACCTAAGCAAAATGACATCCACAGCGCTGTAATTAAGGGGTGATCACAAG 1288
QY 1427 TATTAATAATTTTTCTTAAAGAACTTTCTATGGG 1463
Db 1289 TTTCAATAATTTTTCTTAAAGAAATTTGTTGG 1325

RESULT 4
US-09-456-455A-2
Sequence 2, Application US/09456455A
Patent No. 6448005
GENERAL INFORMATION:
APPLICANT: Gluckmann, Maria A.
TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
FILE REFERENCE: NMI-204CP3
CURRENT APPLICATION NUMBER: US/09/456,455A
PRIOR FILING DATE: 1999-12-08
PRIOR APPLICATION NUMBER: 09/107,761
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: 09/223,538
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2
LENGTH: 1743
TYPE: DNA
ORGANISM: Homo sapiens
US-09-456-455A-2

Query Match 55.5%; Score 866.2; DB 3; Length 1743;
Best Local Similarity 80.5%; Pred. No. 5e-193;
Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;

QY 181 GCGGAGCGCGGATGCTCCCTGATGTGCAAGAGAGCGGCTGTCTCCGACACA 240
Db 30 GCCAGAGCGCGGATGCTCCCTGATGTGCGGCGGAGCGGAGCGGCTGTGCGCA 89
QY 241 CCTGGAACAAAGTACGCAAGCCCACTTCTTTCTTGTGATGTCAAGGCGAGCACC 300
Db 90 GCGTGAAGCAAGCAAGCGGAGCGGCTTCTCTCTCGAAGTCAAGGCGAGCACC 149

QY 301 GGTGGTGTGAGCGGCGTGGAGAACACCGTTCTGGGACCTCATCTTTGTGTCTACTGCG 360
Db 150 GGTGGTGTGAGCGGCGTGGAGAACACCGTGTGTGTCTCATCTTTGCAAGTCCCTGCG 209
QY 361 TGGGCAACGATGTGTCTTAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 420
Db 210 TGGGCAACGATGT 269
QY 421 GCTTGTGTCTCAACCTTTCTGCGGGAATTTGTCTTTCACAGGCGCATCTCTTGTGTC 480
Db 270 GCTTGTGTCTCAACCTTTCTGCGGGAATTTGTCTTTCACAGGCGCATCTCTTGTGTC 329
QY 481 TGTGCTGTGGCTGAGACTGAGGCTGTGGGCTGTGGGCTGTGGGCTGTGGGCTGTGGGCT 540
Db 330 TGGCGGT 389
QY 541 AGGTATGACAAATGAGCGGAGCGTCAAGATCTCAACTGTGCGGCTGAGCTGTGAGC 600
Db 390 AGGTATGACAACTGAGCGGAGCGTCAAGATCTCAAGCTGTGCGGCTGAGCTGTGAGC 449
QY 601 GCATGTGTGTCTGT 660
Db 450 GCATGTGTGTCTGT 509
QY 661 CGGCACTGTGCTTTCATATGAGGATTAATCTGGGCGCTGCGGCTGCGCTCTCATATCT 720
Db 510 CAGT 569
QY 721 TGTTCGCGGT 780
Db 570 TCTTTGATGT 629
QY 781 TGTGATGT 840
Db 630 TGTGATGT 689
QY 841 TCTGT 900
Db 690 TCTGT 749
QY 901 CATCGGGAAGAGGCTTACGTGAGCTGTGAGCTGTGAGAGCCACAGATCGAGTGT 960
Db 750 CATCAAGGAAGAGGCTCACGTAAGCTGTGAGCTGTGAGAGCCACAGATCGAGTGT 809
QY 961 CCCAAGAAAGCTACCGACTTCTTCCGACGCTCTTCTGCTCATGTGTTCTTTCTATCA 1020
Db 810 CCCAGAGAGACTTCCGCTTCTTCCGACCCCTTCTCTCATGATGCTCTTCTTATCA 869
QY 1021 TGTGAGTCCCATCATCATCAGCATCTCTCATCTTGTATCAAAAATTCCGAGAGACC 1080
Db 870 TGTGAGAGCCCATCATCATCAGCATCTCTCATCTGATCAAGAACTTCAAGCAGAGACC 929
QY 1081 TGTGATCTGGGCAATCCCTTTCTTGGGTGTGGCTTCAAGCTTTGCCACTGTGCC 1140
Db 930 TGTGATCTGGGCGCTCTCTCTTGGGTGTGGCTTCAATTTGCTTAATTCAGCCC 989
QY 1141 TAAACCCCATCTGTAACAATGTCGCTTTCAGGAAAGAAATGAGAGAAATTTTGTCT 1200
Db 990 TAAACCCCATCTCTAACAATGACATGTGACAGAAATGAGAGAAATTTTGTCT 1049
QY 1201 GCTTCTTTTTCAGAGAAAGGAGCCATTTTTCAGATACGTCTGACGAGAAATGACT 1260
Db 1050 GCTTCTGGTTCAGAGAAAGGAGCCATTTTTCAGACACATCTGTCAAAAGAAATGACT 1109
QY 1261 TGTCTGTTATTTCCAGCTAA-----CTAGCCTGTGGTCCAGGTGAACAC 1306
Db 1110 TGTGATTTATTTCTGGCTAATTTTCTTATAGCCGAGTTCTCACACCTGGGAGCTGT 1169
QY 1307 GGTGTGATGTAAGGAGATTAATCTCAAGAAAGCCACAGTGTGGCTGTCTTTAAAA 1366
Db 1170 GGAATGCTTTTAAACAGAGTTCAATTCAGTACCTTCATCAGTGAACCTGTCTTAAAG 1229

Qy 1367 ATACCCGACTTCACACGAGCATCTACGAGCCAGCAATTAAGAATGCTGAC 1426
Db 1230 A-AATGAACCTATGCAAAATAGACATCCACAGCGTGGTAATTAAGGGGTGATCACCAAG 1288
Qy 1427 TATATAAATATTTTTCCTTAAAGACTTTCTATGGG 1463
Db 1289 TTTCAATATATTTTCCCTTTATTAAGAATTTGTGG 1325

RESULT 5
US-09-456-455A-14
; Sequence 14, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: Tsal, Fong-Ying
; FILE REFERENCE: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; CURRENT APPLICATION NUMBER: US/09/456,455A
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 14
; LENGTH: 181
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-456-455A-14

Query Match 11.6%; Score 181; DB 3; Length 181;
Best Local Similarity 100.0%; Pred. No. 6.6e-33;
Matches 181; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1021 TGTGGAGTCCATCATCATCAACATCTCTCATCTTATCCAAACTTCGGCAGAGCC 1080
Db 1 TGTGGAGTCCATCATCATCAACATCTCTCATCTTATCCAAACTTCGGCAGAGCC 60
Qy 1081 TGGTCATCTGGCCATCCCTTTCTTCTGGGTGGTGGCCCTTCACGTTTCCAACTCTGCC 1140
Db 61 TGGTCATCTGGCCATCCCTTTCTTCTGGGTGGTGGCCCTTCACGTTTCCAACTCTGCC 120
Qy 1141 TAAACCCCATCTGTACAAACATGTGCTGTTCAGGAAGATGAGAAATTTTGTCT 1200
Db 121 TAAACCCCATCTGTACAAACATGTGCTGTTCAGGAAGATGAGAAATTTTGTCT 180
Qy 1201 G 1201
Db 181 G 181

RESULT 6
US-09-456-455A-15
; Sequence 15, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: Tsal, Fong-Ying
; FILE REFERENCE: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; CURRENT APPLICATION NUMBER: US/09/456,455A
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223,538
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 15
; LENGTH: 138
; TYPE: DNA

; ORGANISM: Mus musculus
US-09-456-455A-15

Query Match 8.8%; Score 138; DB 3; Length 138;
Best Local Similarity 100.0%; Pred. No. 7.3e-23;
Matches 138; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 909 AAGAGCTTACGCTGAGCTTGGCATCTCTGAGAGCCAGATCCGAGTCCCAACAA 968
Db 1 AAGAGCTTACGCTGAGCTTGGCATCTCTGAGAGCCAGATCCGAGTCCCAACAA 60
Qy 969 GACTACGACTCTTCCGACAGCTTCTCTGCTCATGTGTTCTTCTTCATCATGTGAGT 1028
Db 61 GACTACGACTCTTCCGACAGCTTCTCTGCTCATGTGTTCTTCTTCATCATGTGAGT 120
Qy 1029 CCCATCATCATCACCATC 1046
Db 121 CCCATCATCATCACCATC 138

RESULT 7
US-09-328-111-472

; Sequence 472, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:

; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Carcino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 472
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-328-111-472

Query Match 8.2%; Score 128.4; DB 3; Length 241;
Best Local Similarity 89.6%; Pred. No. 1.6e-20;
Matches 138; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 18 AGCTCTTCCATGCAATCTCACAGAGGGGTTTCAGAGTCTTCACACCATCAGTGAC 77
Db 85 AGCTCTTCCATGCAATCTCACAGAGGGGTTTCAGAGTCTTCACACCATCAGTGAC 144
Qy 78 CACTCCAGACTTGTCCGGCTTTTACCGAATCTTCACAGCGGAGTGCATGACCTTGGAC 137
Db 145 CACACCGGCTCTGTACAGGCTTCACTCGGATCTTCACAGCGGAGTGCATGACCTTGGAC 204
Qy 138 AGCCACGAGCGCGAGCTCCGCACTTCCCG 171
Db 205 AGCTACGACGACGCGAGCTCCGCACTTCCCG 238

RESULT 8
US-09-949-016-5658/c
; Sequence 5658, Application US/09949016
; Patent No. 6812339

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/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ PRIOR FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 5658
/ LENGTH: 835
/ TYPE: DNA
/ ORGANISM: Human
US-09-949-016-5658

Query Match      8.2%; Score 128.4; DB 3; Length 835;
Best Local Similarity 89.6%; Pred. No. 2.5e-20;
Matches 138; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 18 AGCCTCTTCACATCTCAGAGAGGGGTTTCATGAGTGTTCACACCATCAGTAC 77
DB 174 AGCCTCTTCACACCGCATCTCAGAGAGGGGTTTCATGAGTGTTCACACCATCAGTAC 115

QY 78 CACTCCAGACTGTCTCCGGCTTTACCCGATCTTCACAGCGAGTCAGTGAACCTCTTGAC 137
DB 114 CACACCGGTCCTGTTCAGGCTTCACCTCGATCTTCACAGCGCGATGACACCTCTTGAC 55

QY 138 AGCCACGAGCGCGCGCAGCTTCCGCACTTCCCG 171
DB 54 AGCTACGAGCAGCGCGCAGCTTCCGCACTTCCCG 21

RESULT 9
US-09-513-999C-2279/c
/ Sequence 2279, Application US/09513999C
/ Patent No. 6783961
/ GENERAL INFORMATION:
/ APPLICANT: Dumas Milne Edwards, J.B.
/ APPLICANT: Duclet, A.Y.
/ TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
/ FILE REFERENCE: 59.US2.REG
/ CURRENT APPLICATION NUMBER: US/09/513,999C
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/122,487
/ NUMBER OF SEQ ID NOS: 36681
/ SOFTWARE: Patent.pm
/ SEQ ID NO 2279
/ LENGTH: 487
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 202..486
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 99
/ OTHER INFORMATION: s=g or c
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 146
/ OTHER INFORMATION: n=a, g, c or t
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 147
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/ OTHER INFORMATION: t=a or g
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 151
/ OTHER INFORMATION: s=g or c
US-09-513-999C-2279

Query Match      6.8%; Score 106; DB 3; Length 487;
Best Local Similarity 70.4%; Pred. No. 3.6e-15;
Matches 164; Conservative 3; Mismatches 64; Indels 2; Gaps 2;

QY 18 AGCCTCTTCACATCTCAGAGAGGGGTTTCATGAGTGTTCACACCATCAGTAC 77
DB 237 AGCCTCTTCACACCGCATCTCAGAGAGGGGTTTCATGAGTGTTCACACCATCAGTAC 178

QY 78 CACTCCAGACTGTCTCCGGCTTTACCCGATCTTCACAGCGAGTCAGTGAACCTCTTGAC 136
DB 177 CACACCGGTCCTGTTCAGGCTTCACCTCGATCTTCAGCGCGATGATGACACCTCTTGAC 118

QY 137 CAGCCACGAGCGCGCGCAGCTCCGCACTTCCTCCGAGCGGTGGCGCGCGCAT 196
DB 117 CAGCTTCAGACAGCGCGCA-STCGCCATCTTCCCGCAGCCACTTACAGGATCAGCC 59

QY 197 GTCCCTGAGTGTGACAGACGAGCGGCGCTGTCTCCGACACCCCTGAGC 249
DB 58 GCACCTCAGCGGCGCTGATCAGAAAGCCCAACACCCCGCCCGCGCGCC 6

RESULT 10
US-09-270-767-10990/c
/ Sequence 10990, Application US/09270767
/ Patent No. 6703493
/ GENERAL INFORMATION:
/ APPLICANT: Homburger et al.
/ TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
/ FILE REFERENCE: File Reference: 7326-094
/ CURRENT APPLICATION NUMBER: US/09/270,767
/ CURRENT FILING DATE: 1999-03-17
/ NUMBER OF SEQ ID NOS: 62517
/ SOFTWARE: Patent Ver. 2.0
/ SEQ ID NO 10990
/ LENGTH: 722
/ TYPE: DNA
/ ORGANISM: Drosophila melanogaster
US-09-270-767-10990

Query Match      5.2%; Score 80.6; DB 3; Length 722;
Best Local Similarity 74.8%; Pred. No. 3.7e-09;
Matches 101; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

QY 19 GCCTCTTCACATCTCAGAGAGGGGTTTCATGAGTGTTCACACCATCAGTAC 78
DB 166 GCCTCTTCACACCGCGATCTGTGAGAGGATTCATGAGTGTTCACCGCTGGGAGC 107

QY 79 ACTCCAGACTGTCCGGCTTTACCCGATCTTCACAGCGAGTCAGTGAACCTCTTGACA 138
DB 106 AGCCAGACTGTGTGCGGCTTGACGCGCACTTGACCGGCTGATCAGACCTTAACT 47

QY 139 GCCACGAGCGCGCGC 153
DB 46 CCAACCAAAACAGC 32

RESULT 11
US-09-949-016-201753
/ Sequence 201753, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 201753
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-201753

Query Match
Best Local Similarity 4.9%; Score 77; DB 3; Length 601;
Matches 86; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 18 AGCCTCTTCACATCTCAGAGGGGTTTCATGAGTCTTACACCATCATGAGTAC 77
DB 70 AGCCTCTTCACCGGATCTCAGAGGGGTTTCATGAGTCTTACACCATCATGAGTAC 129
QY 78 CACTCCAGACTGTCCGGCTTACCCGAATCTTACAGCGG 118
DB 130 CACACCGGCTCTGTAGGCTTACCTCGGATCTGCCACAG 170

RESULT 12
US-09-949-016-17400/c
; Sequence 17400, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1601307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 17400
; LENGTH: 25041
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17400

Query Match
Best Local Similarity 4.9%; Score 77; DB 3; Length 25041;
Matches 86; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 18 AGCCTCTTCACATCTCAGAGGGGTTTCATGAGTCTTACACCATCATGAGTAC 77
DB 14134 AGCCTCTTCACCGGATCTCAGAGGGGTTTCATGAGTCTTACACCATCATGAGTAC 14075
QY 78 CACTCCAGACTGTCCGGCTTACCCGAATCTTACAGCGG 118
DB 14074 CACACCGGCTCTGTAGGCTTACCTCGGATCTGCCACAG 14034

RESULT 13
US-09-053-866-1
; Sequence 1, Application US/09053866
; Patent No. 6111075
; GENERAL INFORMATION:
; APPLICANT: Xu, Wenfeng
; APPLICANT: Preenell, Scott R.
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; APPLICANT: Yee, David P.
; APPLICANT: Foster, Donald C.
; TITLE OF INVENTION: PROTEASE-ACTIVATED RECEPTOR
; TITLE OF INVENTION: PAR4 (ZCHEMR2)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Zymogenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/053,866
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Leitch, Dendra K
; REGISTRATION NUMBER: 32,619
; REFERENCE/DOCKET NUMBER: 98-10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6674
; TELEFAX: 206-442-6678
; TEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4895 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 176...1330
; OTHER INFORMATION:
US-09-053-866-1

Query Match
Best Local Similarity 4.2%; Score 65.4; DB 3; Length 4895;
Matches 181; Conservative 0; Mismatches 171; Indels 3; Gaps 1;

QY 301 GGTGGTGTGAGGCTGTGAGACACCGTTCTGGGACTCATTTTGTCTCACTGC 360
DB 393 GCTGGGTGCCACACGAGGCTGTGCCCCCTCTATGGGCTGTGCTGTGGGCTGC 452
QY 361 TGGGCAAGTGTGCTCTATGTGTGTGGGCGGCGTCCGGCGCGTGGGCGTCAACA 420
DB 453 CGGCAATGGGCTGTGGCTGTGGCTGTGGCCACGACGACCTCGGCTCTCCACCA 512
QY 421 GCTGTGTCAACCTTCTGTGCGGATTTGTCTTACACAGGCGCATCTCTAGTGC 480
DB 513 TGCTGTGATGAACCTGTGCGACCTGTGACCTCGTGTGGCCGTGGCGCGGGA 572
QY 481 TCGTGTGGCTGTGAGCTG--AGGCTGTGCTTTGGGAGCCGCTGTGCACTGTCT 537
DB 573 TCGCTTACACCTGTGGGCGACAGGCTGTGGCTTTGGGAGGCGGCTGTGCGCTGCA 632
QY 538 TCTAGTATGATGACATGAGCGGACGCTCACGATCTCTACATGGCCGCGTCAAGCTTG 597
DB 633 CGGCGGACTCTATATGATGATGATGATGATGATGATGATGATGATGATGATGATG 692
QY 598 AGGCAATGTGTGATGTGCTGTGCGGCTGTGCGGCGGCTTTGAGCGGCGCGGCGGCG 652
DB 693 ATGCTACTGTGGCTGTGACCCGCTGTGGGCGCGGCGCGCGCTGTGCGGCGGCGGCG 747
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